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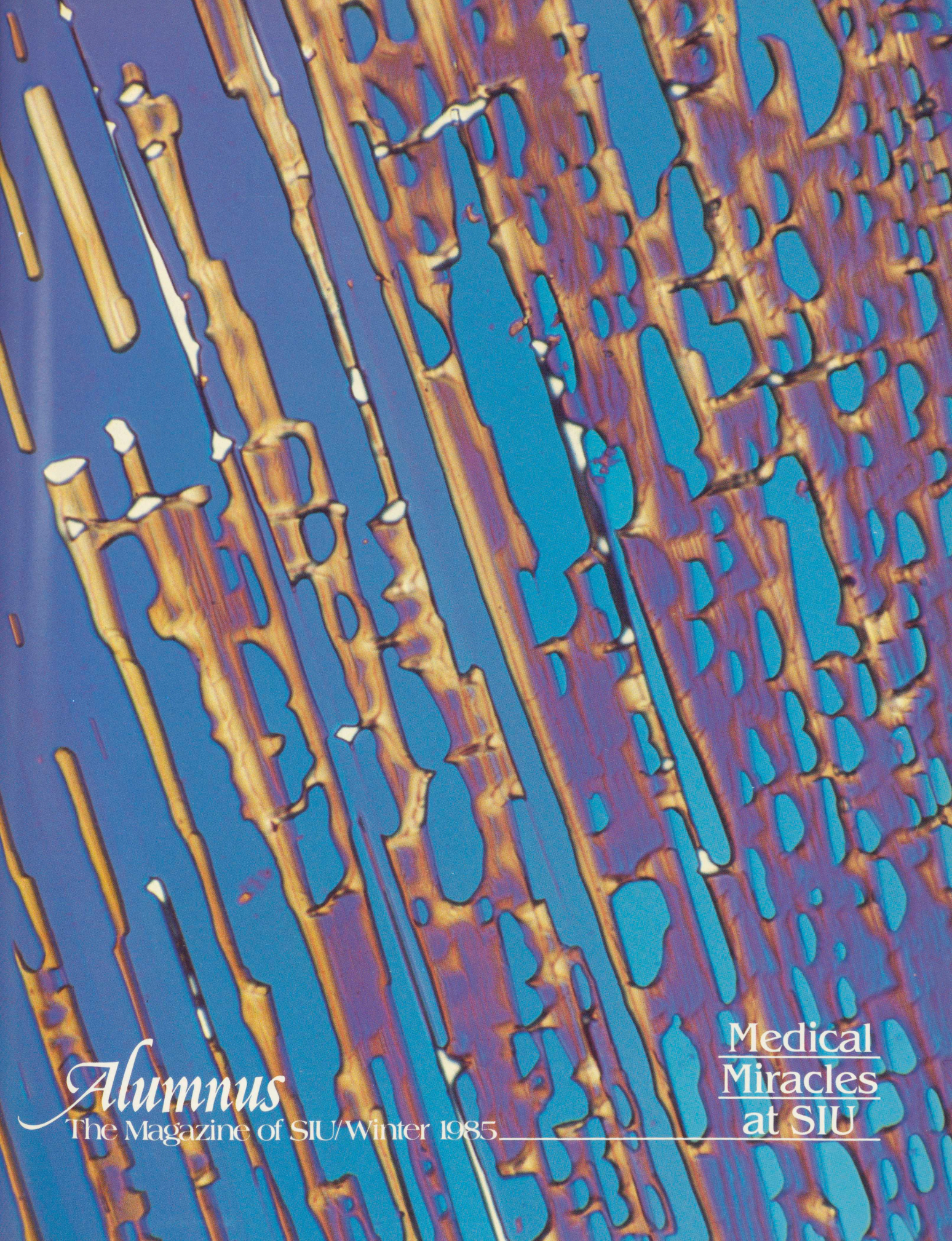
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Alumnus
The Magazine of SIU/Winter 1985

Medical
Miracles
at SIU

Do it...



*while you can
still see them*

Virginia Marmaduke has no hesitation in telling you why she set up an endowed scholarship for journalism students. "I wanted the enjoyment of meeting and knowing the students my scholarship is helping," she says. She thought about establishing the scholarship with a bequest but decided to make her gift while she could enjoy seeing its benefits.

Perhaps you've been thinking of establishing a scholarship. Your reason may be to help worthy students or to honor a family member. A gift of \$10,000 or more will endow a scholarship fund, providing for many generations of students yet to come.

If you would like to know the kind of satisfaction and reward Virginia is experiencing, call or write the Southern Illinois University Foundation for further information about endowing a scholarship.

Do it while you can enjoy it.

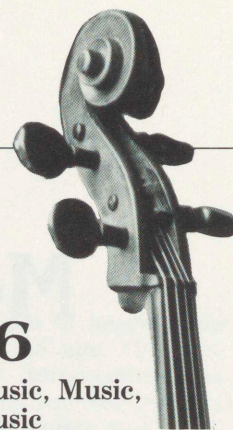


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Alumnus

The Magazine of SIU/Winter 1985



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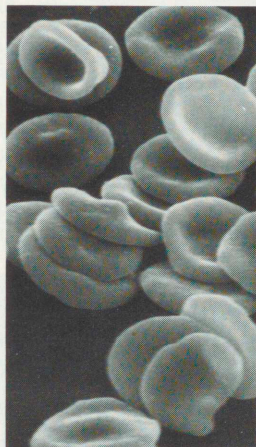
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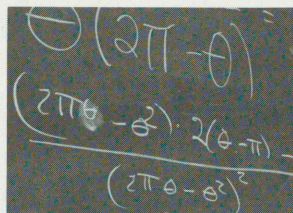
William Gardner

Employees who feel they were, are, and/or will be failures at a task are termed "learned helpless." They've ceased to try. Here's how to spot the symptoms among employees—and yourself.

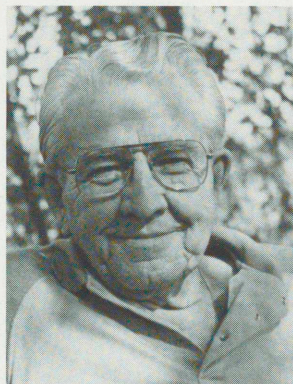
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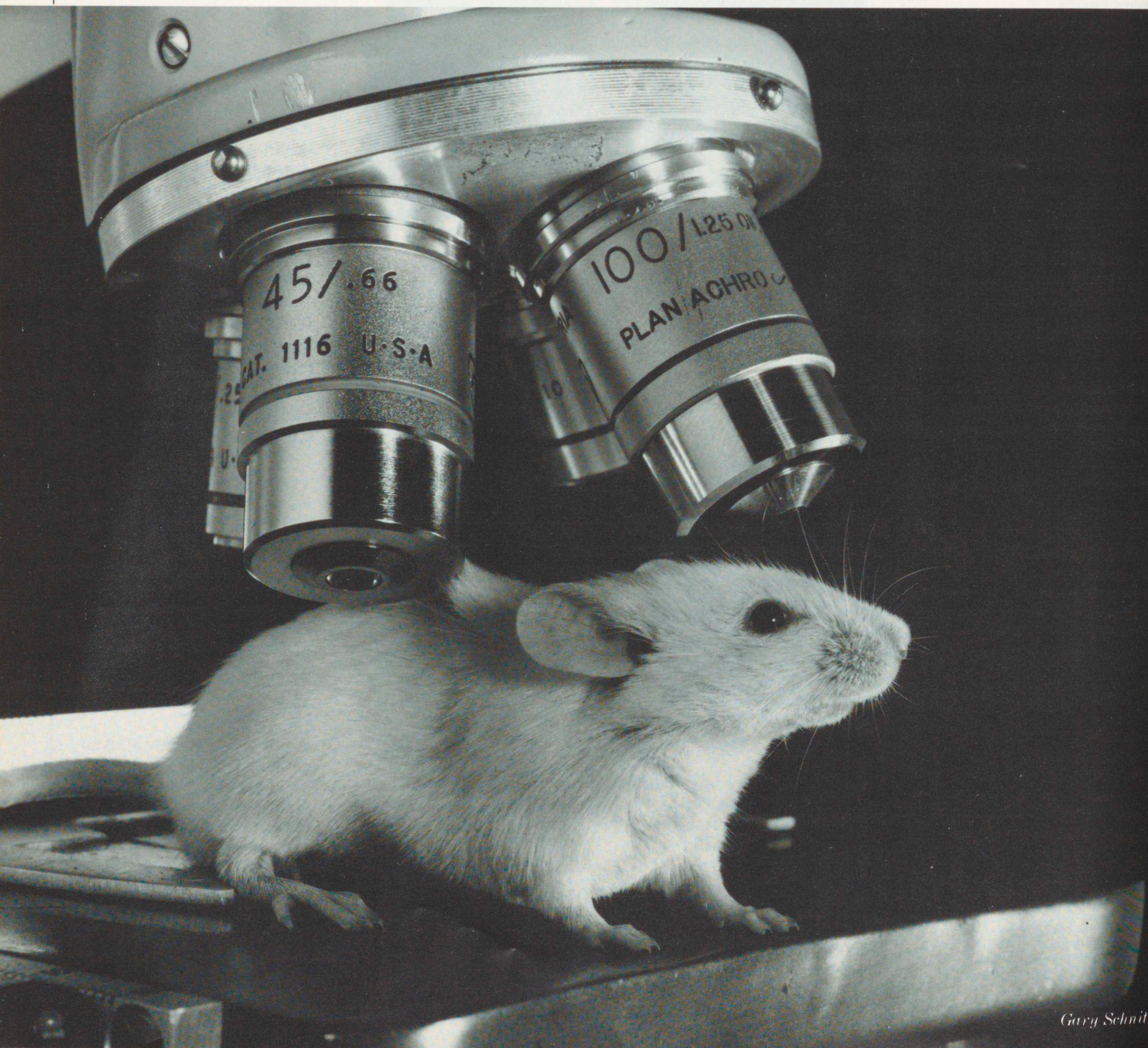
Cover Picture

A microscopic view of dyed crystals is an example of photographic work performed by the Biomedical Communications department of the SIU School of Medicine in Springfield. Photo by Diana Kleidon. For an article highlighting some of the teaching, research and service areas of the medical school, see pages 2-8.

Medical Miracles

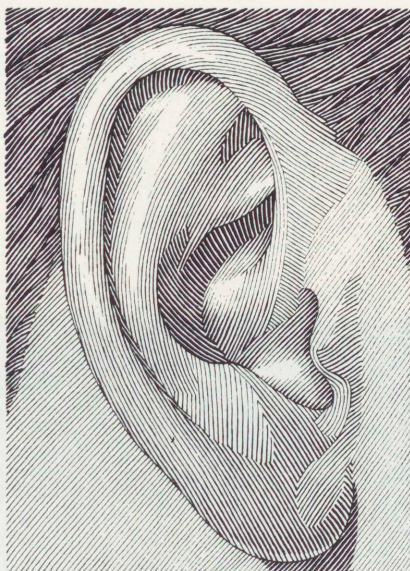
The Sound and the Fury

Ever since childhood, Donald M. Caspary has had a longing to help the deaf and hearing-impaired. His interest was piqued when his grandmother's hearing began to wane. "I can remember tinkering away on a homemade earphone for her," said Caspary, an associate professor of pharmacology and surgery at SIU's School of Medicine. "It was a fairly crude device that



was wired to the speaker in our television set. But it worked, and it allowed my grandmother to hear the TV."

Today, Caspary's efforts to help the deaf and hearing-impaired are considerably more sophisticated. At the School of Medicine's Springfield campus, Caspary is studying ways in which the brain codes and processes sound.



Editor's note: In a little more than a decade, SIU's School of Medicine has emerged as one of the top new medical schools in the country. During the formative years, the fledgling medical school centered its attention on developing a strong curriculum to train physicians for communities in central and Southern Illinois. But as it matured, the school began to place greater emphasis on research.

Today, there are well over 100 laboratories in both Springfield and Carbondale where SIU faculty members are conducting clinical and basic research. The medical school is recognized as a leader in research areas such as Alzheimer's disease, infertility and Down's syndrome. It is second to none in the field of medical education research and curriculum design. Medical schools throughout the world are modeling their curricula after SIU's progressive program.

The School of Medicine encourages collaborative research among faculty members from different disciplines. Research on infertility, for example, is being conducted by more than a dozen faculty members from wide range of disciplines: immunology, physiology, obstetrics and gynecology and pharmacology.

According to the Office of the Associate Dean for Research, the dollars spent on medical research at SIU have doubled during fiscal year 1985. Awards for individual research projects have increased 37 percent. "You have to run to keep up with the advances in medical science today," said Dr. Richard H. Moy, dean and provost of SIU's medical school. "The information doubles every eight to 10 years."

Because of the continual turnover of information and technology, it's imperative that the school continue its research thrust, Moy says.

But as research activities increase, so do expenses. Although SIU's medical faculty has been successful in attracting its fair share of research dollars in recent years, there's a concern that government funding will dwindle during the next decade. The bulk of research at the medical school is supported by the federal government—primarily the National Institutes of Health and the National Science Foundation. As government research funds become more scarce, funding from health associations, private foundations and individual contributions play an increasingly important role.

"We're competing with 126 other medical schools for a limited pool of NIH grants," said William T. Kabisch, associate dean for research at the School of Medicine. "For a new school, we've done well. But there is always a concern that the pool will begin to dry up."

For our readers, we've highlighted a few of the research projects being conducted at the school's Springfield and Carbondale campuses.

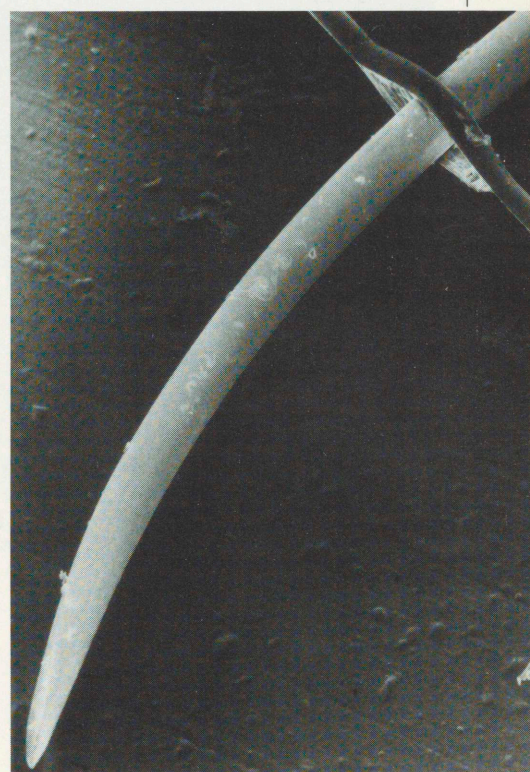
He hopes eventually to identify the role of chemical substances or neurotransmitters in processing and transmitting acoustic information. The research has particular relevance to presbycusis, a condition of less-acute hearing that occurs in old age. It is estimated that more than 30 million people in the United States over the age of 60 suffer from some kind of hearing impairment.

Caspary believes hearing loss in old age stems largely from defects in the central nervous system, which in turn confound the brain's ability to decode certain sounds. For example, an elderly woman clearly hears the range of tones in a hearing test, yet has difficulty distinguishing the voices of her grandchildren.

One of Caspary's long-range goals is to develop an effective drug therapy

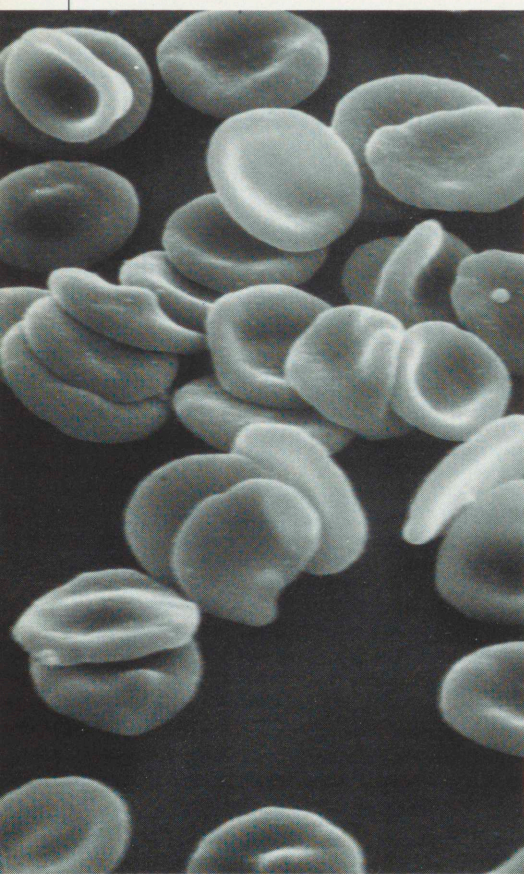
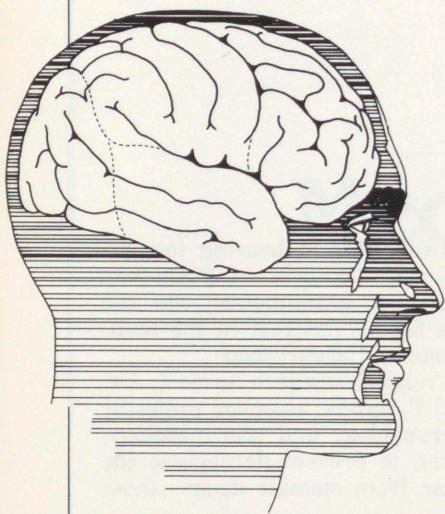
for certain types of hearing loss associated with old age. "I guess you could say my grandmother was the impetus for my interest in the audiology system," Caspary said.

In a related research project, Dr. Leonard P. Rybak, associate professor of otolaryngology and pharmacology, is seeking to prevent damage to the inner ear from ototoxic drugs—those



To illustrate the minute instruments used in microsurgery, a medical photographer shot this picture through a microscope. It shows a microsurgical needle piercing a human hair. Aruna Mathur

that may have detrimental side-effects on the auditory system. Certain pharmaceuticals have been known to cause hearing loss and auditory hallucinations. To determine which drugs fall into the ototoxic category, Rybak has developed a screening procedure that has gathered data on more than a dozen prescription drugs in the United States. The ability to determine which drugs are potentially ototoxic will be a boon in preventing inadvertent drug-induced hearing damage, Rybak believes.



Abnormal blood cells, in a view taken at the electron microscopy facility at the SIU School of Medicine in Springfield. *Chris Jeffery*

Bone Marrow to the Rescue

SIU is among only a handful of medical institutions in the country that has experience with so-called autologous bone marrow transplantation. While bone marrow transplants have been used for years to treat leukemia, there is a major drawback: patients have to rely on donors, usually a relative whose bone marrow closely



Dr. Ezio Giacobini, professor and chairman of the Department of Pharmacology, is one of the country's leading researchers involved in the study of Alzheimer's disease and aging of the brain. *Scott Kilbourne*

matches their own. And even when a match is found, the risk of rejection looms large.

The new autologous procedure uses the patient's own bone marrow in the cancer treatment, eliminating the need for a donor and the preventing the risk of rejection.

At SIU, the procedure has been further developed by Dr. Patrick J. Stiff, who has served as assistant professor of hematology/oncology and director of SIU's bone marrow transplant program, and Dr. Victor Lanzotti, associate professor and chief of oncology. The two have worked with the new technique of extracting healthy bone marrow from cancer patients who are undergoing high-dose chemotherapy treatment. The patient's marrow is removed before treatment begins, stored in a deep freeze and replaced after treatment has ended. The procedure protects the patient from one harmful side-effect of chemotherapy: damage

to bone marrow, the chief seat of red blood cell and blood granulocyte production in the body. Damaged bone marrow can stifle blood production or weaken blood cell defenses, causing the body to lose its resistance to infection.

Physicians in internal medicine have successfully treated more than a dozen cancer patients using this method. According to Stiff, the optimum use of autologous bone marrow transplantation with high-dose chemotherapy treatment is for cancer patients who are in remission but who have a high risk of relapse.

The treatment, which has been used for about eight years, has had promising success. Under certain conditions, the chances of a cure are as high as 60 percent, Stiff said. "We are not trying to make dying patients live longer," he said. "We are trying to increase a patient's chances of long-term remission or cure."



David Bolen, professor of chemistry, illustrates the complex properties of an enzyme, a mostly protein product of living cells that induces or speeds chemical reactions in plants and animals. Bolen's research centers on the "energetics" of enzymes. *Mark Raeber*

Piecing Together the Alzheimer's Puzzle

SIU's School of Medicine has become one of the nation's leading centers for research in Alzheimer's disease, an irreversible brain disorder that has reached epidemic proportions in the United States. The disease is now the fourth leading cause of death in the United States, afflicting more than 2.5 million people.

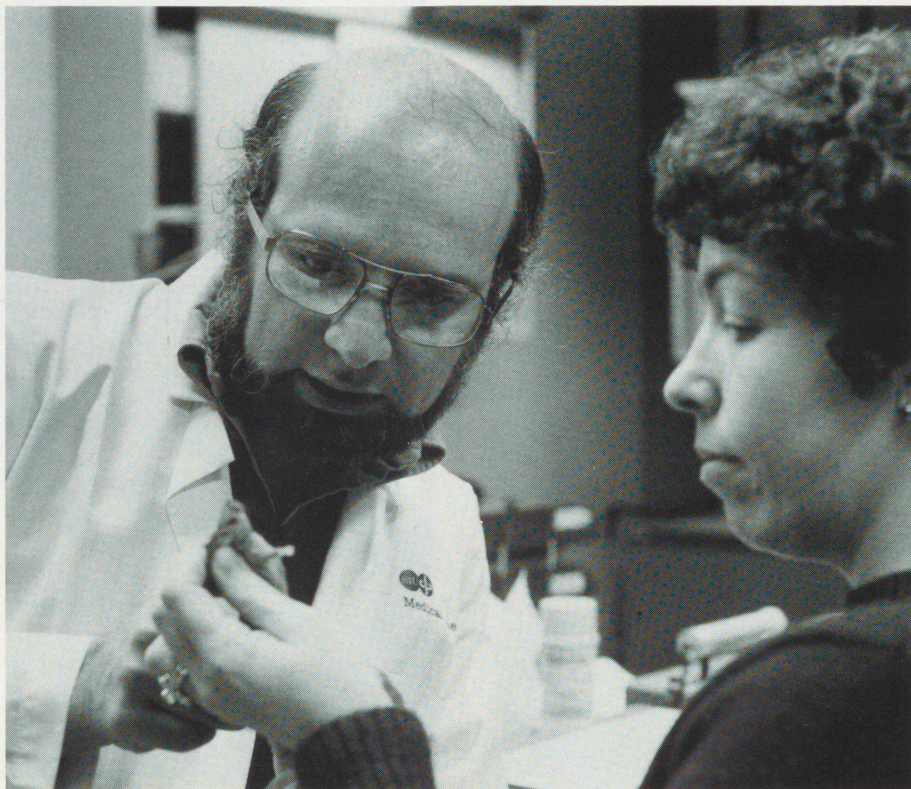
An interdisciplinary team of SIU researchers, involving faculty members in pharmacology, internal medicine, psychiatry and family practice, is focusing its attention on Alzheimer's disease to determine its causes. Although researchers have some fairly solid theories, Alzheimer's disease remains a mystery. Dr. Ezio Giacobini, professor and chairman of pharmacology, and Satu Somani, professor of pharmacology, are studying certain chemicals in the brain to determine what role they play in Alzheimer's disease. In particular they are studying acetylcholine, a chemical messenger deficient in the brains of Alzheimer's victims. Giacobini and Somani believe the study could lead to an effective drug therapy for treating the disease.

As a result of their research, Giacobini and Somani also have found that specific proteins or chemical markers show up in the spinal fluid of Alzheimer's victims. These markers may be of use in making early diagnoses, which could greatly enhance the treatment of the disease.

Interferon and Its Link to Down's Syndrome

Interferon has been touted throughout the medical community in recent years as a key to treating everything from the common cold to cancer.

Discovered by a pair of British and Swiss virologists in 1957, interferon is the natural substance produced in the body to battle infection. The two



Leonard Maroun, associate professor in the Department of Medical Microbiology and Immunology (left) and a lab assistant look for visible birth defects on a laboratory mouse as part of his research on Down's syndrome.

researchers found that interferon did not kill viruses directly but helped stimulate the production of anti-viral proteins in neighboring cells. What's more, the substance appeared to inhibit the growth of tumor cells.

Leonard E. Maroun, associate professor in the SIU Department of Medical Microbiology and Immunology, believes that interferon may play a major role in Down's syndrome, the number one birth defect in the country.

Maroun is testing a theory which holds that the birth of a child with an extra chromosome (Down's syndrome) is caused by the mother's exposure to a virus at or about the time the child is conceived. The production of interferon in the mother's body, as a natural response to the virus, may actually cause the presence of the extra chromosome 21, Maroun believes.

"It has wide-reaching implications," says Maroun. "If this controversial hypothesis is correct, interferon antibodies could be injected into the

mother's blood and the genetic defect could be prevented from occurring."

Taking the Bite Out of Pain

Pain is nature's way of telling our bodies something is going wrong. For the most part, pain is good—a necessary fact of life. But for many people, particularly cancer victims, pain can take over and become a constant and unnecessary source of suffering.

Dr. Roger B. Traycoff, an associate professor and chief of rheumatology/immunology at SIU, has been working with a new nerve block technique that provides effective relief for patients suffering from chronic pain. The procedure has been particularly effective for victims of cancer and rheumatoid arthritis.

The treatment is among a number of services offered by SIU's Pain Diagnostic Center in Springfield, which Traycoff launched in 1984. Traycoff

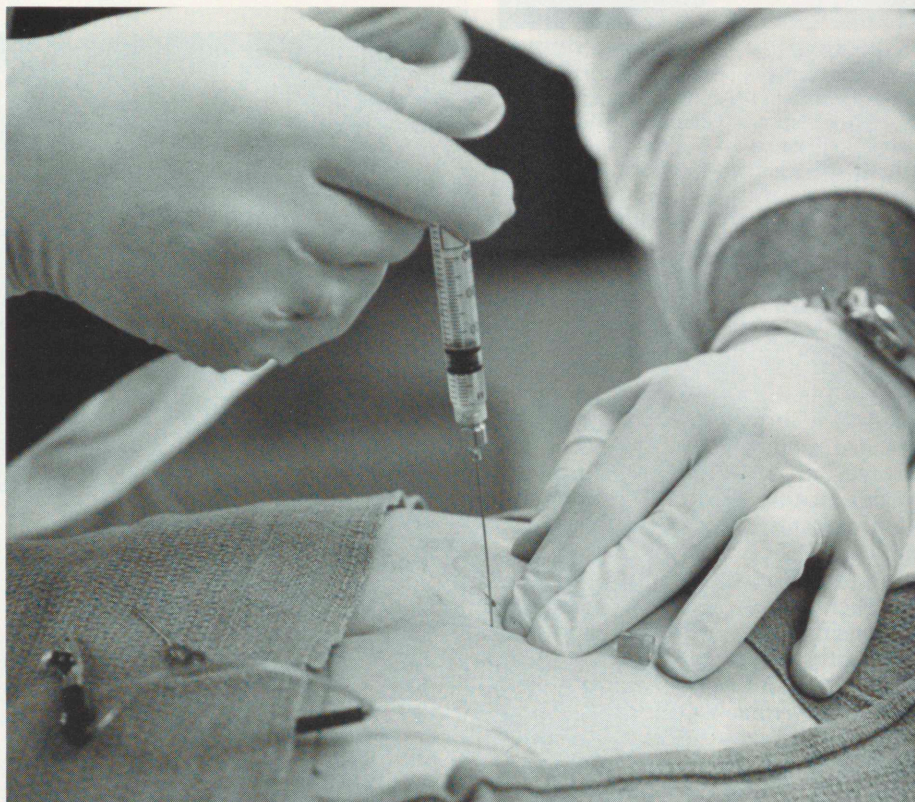


John McIntyre (left) and Dr. Page Faulk sample materials in the laboratory. The two researchers are working to develop a treatment for women who repeatedly miscarry. *Scott Kilbourne*

and his staff deal with both acute and benign pain problems, but focus primarily on pain associated with cancer, trauma or surgery. The center also helps physicians in the diagnosis and treatment of chronic pain. "The easiest pain to bear is the pain of others," Traycoff says. "Perhaps we in medicine have become desensitized to suffering as a defense mechanism."

The Problem of Infertility

According to the National Center for Health Statistics, infertility affects one in six couples in the United States. Causes range from low sperm count in men to chronic intrauterine infection in women. Because of the magnitude of the problem, more than a dozen of SIU's faculty working in the field of reproductive biology are coordinating their efforts to find solutions to the problem of infertility.



In the Pain Diagnostic Center, Dr. Roger Traycoff injects a regional anesthetic into a patient to prepare the way for a nerve block. The Center concentrates on diagnosis of pain, as well as its alleviation. *Kathleen Hudgens*

On the Carbondale campus, where much of the basic scientific research is being conducted, the foundation has been laid for a number of practical and applied research projects. The Carbondale-based Laboratories of Reproductive Biology provides a framework for faculty scientists to coordinate their basic research. In Springfield, faculty in obstetrics and gynecology are developing a host of clinical projects, including a new program for women who suffer from repeated miscarriages.

SIU researchers are probing areas such as the hormonal control of sperm production and the survival of the embryo within the uterus.

John A. McIntyre, associate professor of obstetrics and gynecology and microbiology/immunology in Springfield, works with department physicians and others throughout the country who encounter patients with fertility problems. McIntyre and associates have made significant steps in devel-

oping treatments for women who repeatedly miscarry. One such treatment, which involves leukocyte or white blood infusions, has already helped more than 20 women carry their babies to full term. "The results of the clinical trials indicate we are headed in the right direction, and much of the laboratory work tends to support our hypothesis, as well," McIntyre said. "The fact that we have successfully treated more than 20 women, all of whom gave birth to normal babies, puts us past the preliminary observation mark."

On the Carbondale campus, Andrzej Bartke, professor and chairman of medical physiology and pharmacology, is studying the reproductive functions of males. Bartke is trying to identify the effects of prolactin, a hormone of the male pituitary gland, on the brain. He is particularly interested in the hypothalamus, a region of the brain that controls various bodily functions, including the release of hormones by the pituitary and the function of the



Will Willner

A pioneer in innovative teaching methods, the SIU School of Medicine is also among the leaders in such diverse research and service areas as Alzheimer's disease, miscarriages, pain alleviation, and Down's syndrome.

testes, where sperm are produced. The project is one of three Bartke is working on with support from the National Institutes of Health. "The work scientists at SIU School of Medicine are doing in the area of reproductive biology is extremely important," Bartke said. "The strength we have in this field is substantial."

In a related project, Rudolph N. Peterson, professor of medical physiology and pharmacology, is examining the fertilization process at the molecular level to better understand what happens when sperm meet an egg. Of particular interest to Peterson is the process by which sperm attach themselves to eggs. "Very little is known about this, but it is critical to the sperm penetrating the outer layer of the egg and eventually penetrating the egg itself," he said.

One possible offshoot of SIU's research on male reproductive systems is the development of a male contraceptive. Richard E. Falvo, associate professor of medical physiology and pharmacology at Carbondale, is conducting basic research to understand the intricate workings of the male reproductive system. Falvo is working on a vaccine which would inhibit the reproductive cycle. "If I can shut down the reproductive system with a vaccine, then I can study how to start it up again," he said.

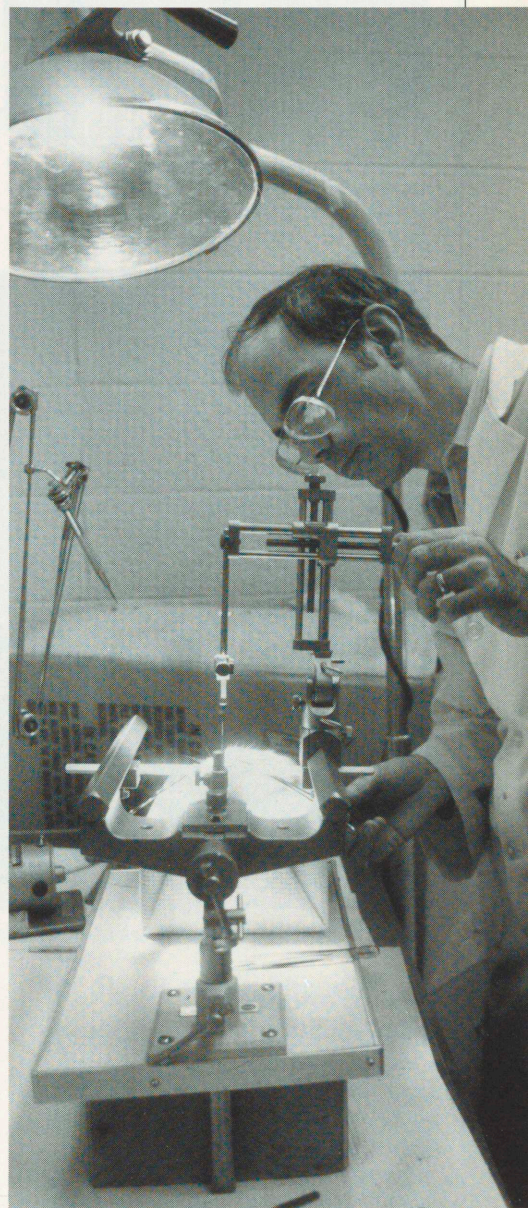
High Blood Pressure and Heart Disease

High blood pressure or hypertension is one of the leading risk factors in heart attacks and strokes. An estimated 35 million people in the United States suffer from hypertension—an epidemic by most standards.

A number of researchers at SIU are studying the problem of hypertension and are looking for ways to control its devastating effects on the cardiovascular system.

A project coordinated by J. Hurley Myers, associate professor of medical physiology and pharmacology at Carbondale, is looking into the effects of exercise on certain neurotransmitters (chemical messengers) and blood vessels in the brain. "We found that in adult animals who already showed signs of hypertension, exercise did not lower the blood pressure much," Myers said. "On the other hand, weight reduction, which usually accompanies an exercise regimen, has been shown to benefit the hypertension-prone person. At this point, therefore, it is difficult to determine whether the exercise itself or the weight reduction with exercise caused the decrease in blood pressure."

Myers is working in collaboration with SIU faculty members Tony Lee, associate professor of pharmacology at Springfield, and Ronald A. Browning, associate professor medical physiology and pharmacology at Carbondale.

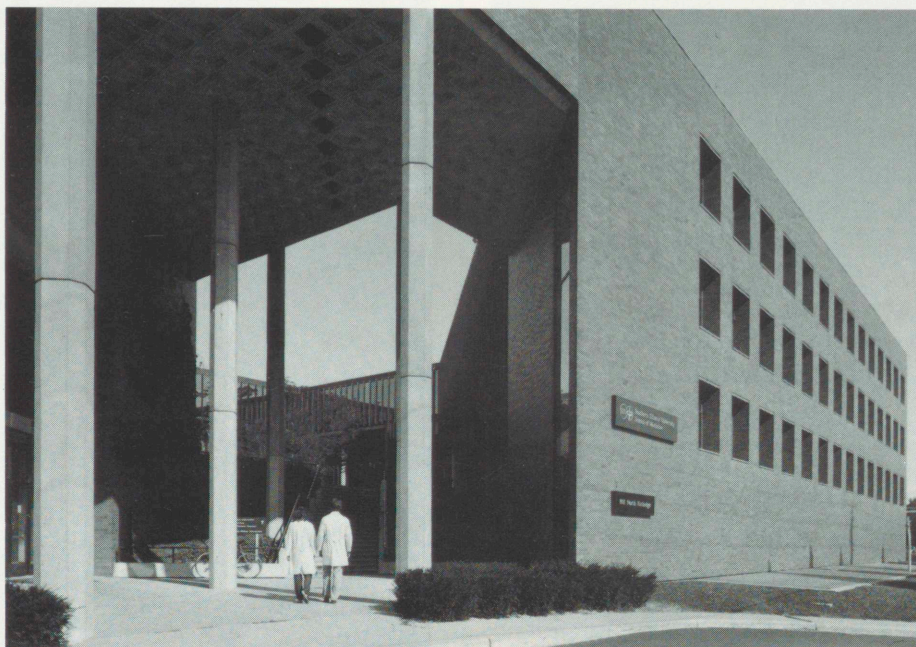


Using precision instruments, Ronald A. Browning, associate professor of medicine, drills into the brain of a rat. Browning is studying the effects of epilepsy on the brain.
Kathleen Hudgens

In a related study, George A. Dunaway, associate professor of pharmacology, chemistry and biochemistry, is studying the physiology of heart to better understand how it's affected by hypertension and other diseases such as diabetes. Dunaway hopes his research will eventually enhance the ability to detect, monitor and treat cardiovascular disease.



Dr. Robert Russell, assistant professor of surgery (left), goes over microsurgical techniques with SIU medical student Bradley Storm. *Will Willner*



The SIU School of Medicine in Springfield is located at 801 N. Rutledge.

The Wonders of Plastic Surgery

With technological advances in microsurgery techniques, today's plastic surgeons do much more than lift faces and fix noses. SIU's Division of Plastic Surgery has been recognized as a leader in research and treatment involving replantation of severed limbs and reconstruction of damaged body parts. With the aid of operating microscopes, microvascular surgeons are able to rejoin complex networks of blood vessels and nerves. As difficult as it is to imagine, surgeons are able to pierce and sew tiny blood vessels that are nearly invisible to the eye. The needles they use are thinner than a human hair; the sutures are about the thickness of a cobweb.

Modern plastic surgery has advanced far beyond the more superficial techniques limited to the "plastic" or mal-

leable parts of the body, the soft tissue. Today's surgeons must acquire the skills to deal with soft tissues, but newer techniques allow the surgeon to go more deeply into the body. Even the name has changed so that the field is now generally described as plastic and reconstructive surgery.

SIU's medical school is one of the few institutions in the nation that offers research fellowships for the study of microsurgery and plastic surgery.

Teaching Methods for Medical Students

Perhaps more than anything else, SIU's School of Medicine is known for its daring and progressive teaching philosophy. Unlike traditional learning institutions, SIU's medical school gives no grades and has no system for ranking students by class standing. The school's educational credo discourages grade competition and emphasizes so-called problem-based learning. The educational model is based on the theory that students should be taught *how* to learn, rather than *what* to learn.

Spearheading this new nationwide thrust in medical education is Dr. Howard S. Barrows, associate dean for educational affairs and medical education at SIU's School of Medicine. Author of the book *Problem-Based Learning: An Approach to Medical Education*, Barrows is recognized as

the founder of problem-based curriculum development. The technique has been so successful on the Springfield and Carbondale campuses that a number of medical schools (including Harvard's) are using the SIU model for their own curricula.

Problem-based medical curriculum is designed to approximate practical situations encountered by practicing physicians. It forgoes the more traditional rote-learning exercises and standardized multiple choice exams. For SIU's medical students, memorizing a barrage of facts isn't enough. They are required to demonstrate competency in a wide spectrum of areas for examinations that center on problem-solving.

Students are encouraged to confer with fellow classmates on assignments, too. "The fierce competitive atmosphere associated with most medical schools doesn't exist at SIU," said Dean Moy. "Here, we encourage our students to work together in the same way that practicing physicians work together." Barrow's research has shown that problem-based learning programs often trigger dramatic results: students retain more information and therefore are better prepared to enter the practice of medicine.

The teaching philosophy has spawned progressive learning tools such as SIU's Simulated Patient Program in which medical students work with carefully trained actors who mimic certain symptoms and emotions based on documented case histories. The exercises teach diagnostic and patient-care skills. In adjacent rooms, medical instructors monitor students through one-way windows. Exercises are video taped so students can evaluate their own performances.

"Problem-based learning is a formalized and structured learning sequence in terms of process, but it gives the student both the freedom and responsibility to determine his or her own learning needs relative to curriculum objectives," Barrows said. The oriental philosophy, 'Give me a fish and I eat today; teach me to fish and I eat for a lifetime,' summarizes the contrast between the usual didactic methods used in many medical schools and the Socratic method of problem-based learning.—**Don Braakman**



William Gardner



Learned helplessness is an interesting answer to the perplexing problem of why capable people can't master a task. Its symptoms can be found in a third-grader's inability to add and a good employee's failure to perform.

The topic is catching on among a few scholars who are now applying their observations to the business world. William L. Gardner, assistant professor of management in SIU's College of Business and Administration, is one such scholar. His special interests include organizational behavior and learned helplessness. With Mark J. Martinko of Florida State University, he has written four articles on learned helpless behavior and has presented papers on the topic to the Southern Management Association.

We asked him to define the terms, pinpoint the conditions, and advise us on what we, as managers, can do to prevent employees from becoming learned helpless.

Q. What are the symptoms of helplessness among employees?

A. Passiveness. An apparent "giving up." There are a lot of emotional states that accompany it, such as frustra-

tion and depression. It's a feeling that no matter what you do, you can't make an impact, that there's no relationship between your effort and your performance.

An employee who is experiencing learned helplessness tends to attribute his failures to himself. He thinks, "I'm

*As managers,
we may be
encouraging our
employees
to consider
themselves
failures.*

a failure, I've always been a failure, and I'll always be a failure." That's a helpless individual. His explanations for poor performance are internalized. That is, he blames only himself for his difficulties.

Q: In one of your articles you describe some of the research on learned helplessness. Didn't it begin with experiments on dogs?

A: Yes. A researcher named Martin Seligman placed dogs in a harness in a cage which was wired on one side to provide a strong shock and separated from an unwired side by a 2" high barrier. At first, as the dogs were shocked they would try to escape the harness. Typically, they would whine, howl, and jump about frantically as part of their effort to escape. Eventually, however, they just gave up. Seligman found that even when he removed the harness, the dogs still wouldn't try

to jump the barrier to avoid the shock. They'd become passive.

Seligman discovered that helplessness represented a general form of learning. Researchers have done experiments that demonstrate helplessness in goldfish, cats, mice, rats, just about every species, including human beings. In the experiments with humans, people were hooked up to wires and told that unless they were successful at solving an anagram, or word puzzle, they would receive a mild shock. The subjects were unaware that the ana-

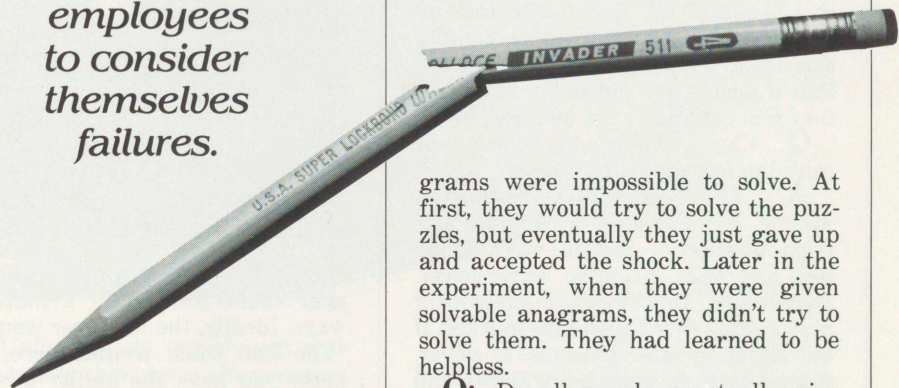
grams were impossible to solve. At first, they would try to solve the puzzles, but eventually they just gave up and accepted the shock. Later in the experiment, when they were given solvable anagrams, they didn't try to solve them. They had learned to be helpless.

Q: Do all people eventually give up?

A: People with a higher need for achievement will keep on trying for a longer period of time. Our attributional pattern—that is, the causes to which we typically attribute success and failure—also influences our susceptibility to helplessness. Some people tend to internalize the causes for their failures—"I'm stupid" or "I lack the ability." Other people tend to attribute failure to external causes—"I'm in a situation where I can't succeed here" or "My boss is stupid." In many cases, that's a healthier way to respond.

Q: Can you give us an example of a task that produces a high failure rate?

A: A lot of people have had frustrating experiences with the old-style mainframe computers, which were difficult and frustrating to learn because they weren't user-friendly. These people naturally concluded, "Computers and I just don't get along. Why try?" Here



they are acting just like the dog in the harness. They have learned to be helpless.

Today, with user-friendly personal computers, some of these people might find that if they tried to use a computer again, they'd be successful and maybe even enjoy it. They might find it is an extremely helpful tool in their businesses. Yet even though the harness, in effect, has been removed, they still don't exert the required effort.

Q: What if these people are forced by their manager to use a computer in their work?

A: I don't think a manager should *force* their employees to use computers. But a manager could use what we call "attributional training." The manager could say to an employee, "Look, the problem isn't that you're stupid or can't operate computers. It's just that the computers of yesterday were not at all easy to operate. So it's quite normal that you had trouble dealing with them. But computers have changed, and I *know* you have the skills and abilities required to operate a personal computer. So why not give it a try?"

Overcoming learned helplessness is most easily achieved by providing success experiences, that is, by giving employees simple tasks that show they can be successful. Eventually, the employee can move on to more complicated activities. I think it's unlikely that if people are successful at a task, they will continue to be helpless.

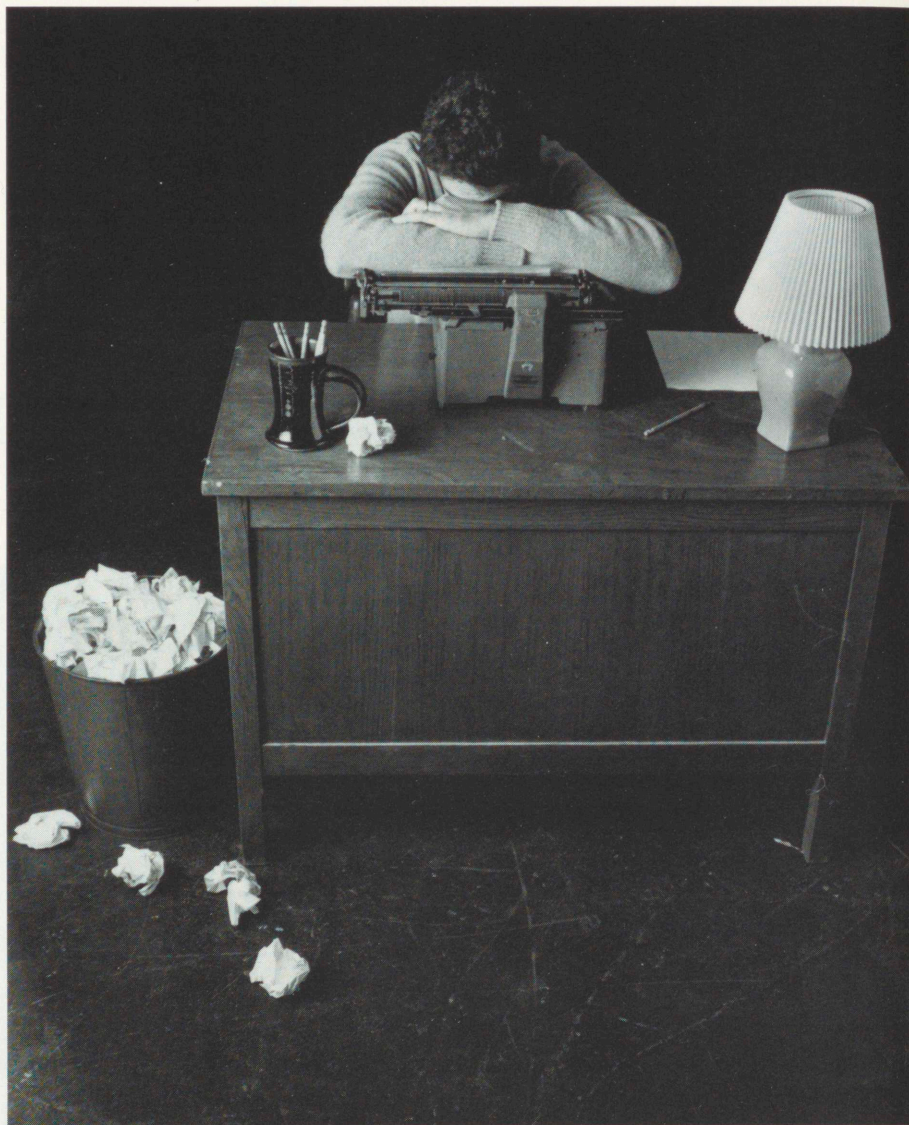
Q: Can a whole organization be mired in learned helplessness?

A: That's an interesting idea. Maybe. For example, a company has tried to enter a certain market and has had very negative experiences. Eventually, the firm's management may simply give up on that market. If the situation later changes, however, so that with the company's ability and skills it *could* enter the market and be profitable, the company may nevertheless fail to recognize this opportunity. It has already "learned" that it can't succeed in this field.

Things get complicated when you take a concept which started out as an explanation for the behavior of dogs and apply it to a whole organization. It's difficult to identify those factors in a company as a whole that correspond to depression and frustration in an individual. Perhaps an analysis could be done of firms that have failed. We might discover an internalized attitude among its members of, "We're a failure because we don't have what it takes to be successful."

Q: Could a manager possibly be a cause of learned helplessness?

A: Yes, unfortunately. Let's say that a new employee is given a difficult assignment by his or her manager. Because the task is so difficult, the



employee performs poorly. The manager could respond in a number of ways. Ideally, the manager would say, "You had some trouble here, but I know you have the ability to do this job. Can we work out the difficulties and insure that your performance improves?" On the other hand, the manager might say, "What's the matter with you? What can't you do this job? It's not that difficult. Are you lazy, stupid, or what?" The employee may agree and think, "Gee, I'm not very good at this job," which is an internal attribution. If the employee then performs poorly on other tasks because he feels he's incompetent, the manager has contributed to helplessness.

It's important to note, however, that the subordinate may conclude, "I've got a jerk for a boss. I'm not stupid. I just wasn't given enough help." In a way, this person has a totally realistic view of what occurred. Such employees might *still* think, "Why should I try? No matter what I do, my boss will punish me." Yet they are not helpless. If they get a new, better boss, or if their boss employs a different man-

agerial approach, their performance will probably shoot right up.

Q: Does learned helplessness relate to the fact that women still are not fully represented in upper-level management?

A: It could. For example, a woman may have tried to rise in management, yet everywhere she went, she experienced discrimination and roadblocks. Some women might have responded by believing, "I don't have the ability to reach upper management." In that case, they eventually became content with lower-level jobs. But we are in a different era now, one with more opportunities for women. If they again exerted the required effort, some older women might be able to advance.

One of the ways to overcome such helplessness is through role modeling. As younger women advance, they serve as positive models for older women.

Q: At what point do managers have to admit that they are wrong about an employee, that the employee might *not* have the ability to perform the job?

A: Well, it's important to keep in mind that learned helplessness isn't an

*"Overcoming learned helplessness
is most easily achieved . . .
by giving employees simple tasks
that show they can be successful."*

take credit for success. When employees perform well, managers are likely to say, "I really do a good job of managing people." In contrast, the employees will think, "I succeeded because I'm smart, capable and try hard." We also want to blame other people or the situation for failures. Thus managers will tend to blame their employees for failure rather than blaming themselves.

The implication of these biases is clear. Managers will tend to blame subordinates for poor performance more often than is justified. If the manager then punishes the person, the employee may start to feel like the dog in the harness. Eventually a punishing manager may succeed in convincing employees that their failure is their own fault, and helplessness will result.

To avoid this, you need to look at your standards for employees. Are they unrealistic? Should you lower them? Are you unjustly blaming your sub-

ordinates? Would they perform better if you helped them more?

Q: Helplessness can come from a task being too difficult. How can managers be alert to signs that they're asking for the impossible?

A: People usually are promoted to management because they are very skilled at what they do. If you were to do a survey to identify standard levels of performance for a group of workers, you'd arrive at an average for that group. The manager's performance would probably be above this level. But sometimes managers will use their own performance as the standard when evaluating subordinates. As they observe their employees, they think, "Why can't they do this job? I know I can do it, why can't they?" In the worst-case scenario, the manager sets standards that are too difficult, the employees fail, and then the manager punishes

them. Unfortunately, punishment typically has only short-term effectiveness. It can also result in a number of negative consequences, including learned helplessness.

Managers also need to be aware of the "actor-observer" bias. When you observe another individual—the actor—perform, you tend to view him or her in isolation. You aren't always aware of the situational factors which influence their behavior. If the actor (employee) performs poorly, the observer (manager) will tend to conclude the person lacks ability or isn't trying. Actors, however, see themselves as part of the environment, not in isolation. They will tend to view poor performance in this way: "The task was very difficult" or "I've had bad luck."

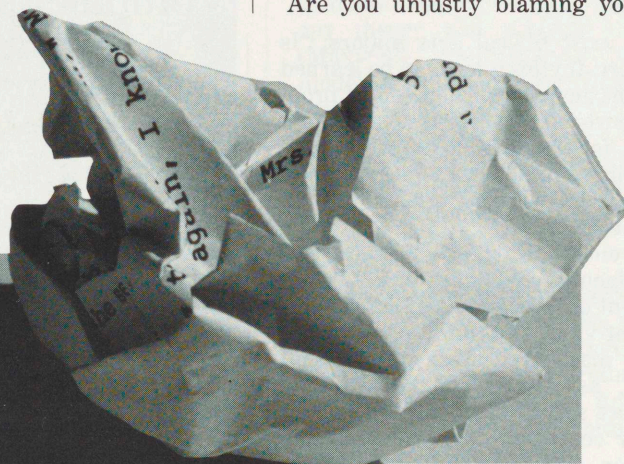
A similar bias is called the "self-serving bias." How we describe the performance of a sports team is a good example. When our team wins, we say, "We won!" When our team loses, we say, "They lost." You see, we want to

ordinates? Would they perform better if you helped them more?

Q: The opposite of punishment for bad behavior is reward for good behavior. But people don't work just for a paycheck, do they? When we discuss rewards, we're not just talking about salary.

A: Right. Rewards could include promotions, more interesting work, and recognition. When rewards are not given, that's punishment in a way. Managers also need to realize that some things they view as rewards might be interpreted by employees as punishment. For example, you might reward an employee by changing her job assignment to one which you think is more interesting. But if the employee liked her old job better, you've just punished her.

One of the best things a manager can do is find what each employee regards as rewards. Talk to your employees. They'll tell you what they want. Then be sure to provide these rewards when they perform, or you may end up with helpless subordinates.



Prime Time for Mathematics

Involved in business, physics, chemistry, engineering, psychology, computer science and other fields, the mathematics faculty serves many campus needs.

Ask most liberal arts majors, "Is there anything more to be learned about mathematics?" and they'll probably answer, "Of course not." Although history, for instance, is an everchanging topic, mathematics seems finite and limited. We know that 10 plus 10 always equals 20.

Andrew G. Earnest—speaking for his 39 faculty colleagues in SIU's Department of Mathematics—offers us a different view. "So many people from outside mathematics see it as a dead subject, as something that's totally static, as something that's been that way for centuries," says the associate professor. "We need to combat that idea. We need to demonstrate to students in some way the evolving nature of mathematics."

He offers an example: "Number theory is one of the oldest subject areas in mathematics. Historically, it deals with the study of positive integers"—all positive whole numbers—"and how prime numbers are distributed." A whole number greater than 1 is "prime" if it cannot be divided by any other positive whole number except 1 and itself (2, 3, 5, 7, 11, etc.). "But in recent years, there have been some applications of classical theorems in number theory to cryptography and to the development of error-correcting codes such as used in satellite communications. These discoveries, in turn, have led to new, complex mathematical questions."

Mathematics is also a philosophy. The meaning of mathematics, write the authors of *The Mathematical Experience*, "is to be found in the shared understanding of human beings, not in an external nonhuman reality. In this respect, mathematics is similar to an ideology, a religion, or an art form ..."

A Need to Know

That "shared understanding" is important in recognizing the place of mathematics in the lives and careers of liberal arts graduates. SIU's Department of Mathematics, carrying the burden of teaching the lower-level math courses required of each University student, tries to convey something about the place of mathematics in the modern world: "to have a few specific mathematical ideas, to have enough statistical savvy to read the newspaper intelligently, to listen to the weather report and know what was said," according to John W. Hooker, associate professor of mathematics.

A college graduate should also be able to recognize faulty information. Many non-mathematical people believe if you flip a coin four times in a row and it comes up heads each time, you'll have high probability of getting tails on the fifth try. (Not so: each flip remains 50-50.) "If you apply that fallacy of probability in medicine, industry or business," Hooker says, "you can make some large mistakes."

Finally, college graduates should know the idea of exponential growth: 1 doubled is 2, 2 doubled is 4, 4 doubled is 8, and so on. "It describes the population explosion, interest rates, the growth of bacteria," Hooker says. "It's hard for people to pick up that basic idea without an understanding of algebra."

Mathematics faculty members teach special courses for physics, chemistry, engineering, computer science, psychology, education, and business majors. One of the best examples of this cooperation comes in a course, Finite Mathematics, that business majors take. "It's the idea of linear programming using a real-world problem of trying to maximize or minimize some quantity by managing limited resources," Earnest says. "The problem gets modeled into a linear equation and the resource constraints get translated into various inequalities. We teach the techniques for solving the problem mathematically. But we can also talk about the modeling process without going into the details with how the mathematical model is solved."

Computers help find the answers. They have become an essential tool of many math scholars and mathematicians. At SIU, math majors cannot graduate until they have passed at least one course in computer science. The mathematics and computer science departments are particularly interactive, sharing the development and teaching of some courses.

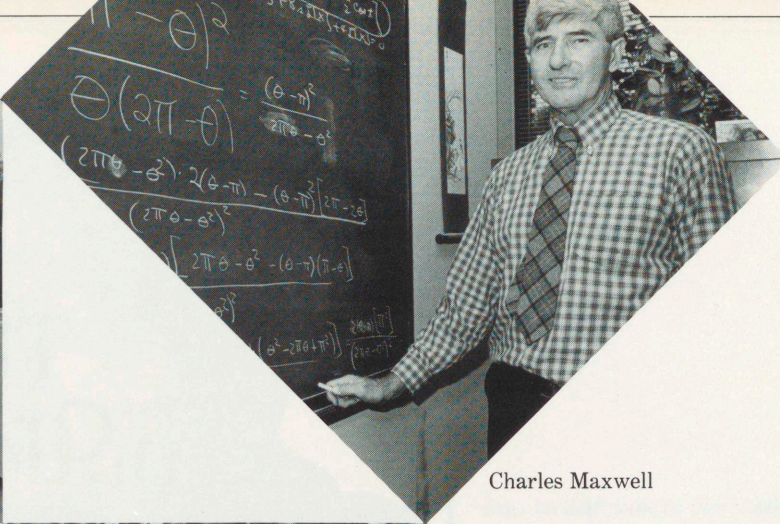
Education and Research

"An educated person just doesn't think of mathematics as only computation," says Katherine L. Pedersen, associate professor of mathematics. "An educated person doesn't just ask, 'Is it true or is it false?' If you are going to exist in this world, you ought to be able to read symbols and realize that they do have a meaning behind them, a relationship that is trying to be shown."

That meaning has to be grasped early. "In mathematics the learning of certain skills precedes the learning of



Katherine Pedersen and Andrew Earnest



Charles Maxwell



John Hooker

others," Pedersen says, "and if you lose some of those skills, it is difficult to come back in." So an important function of the Department of Mathematics is teaching future teachers how and what to teach. The results "speak well for us," says Pedersen.

Mathematics educators are concerned that learning include both mathematical and critical thinking skills. The advent of computers and calculators has brought about an increased emphasis on using technology to solve problems at all grade levels and a decreased emphasis on paper and pencil skills—such as long division.

One new approach is to introduce calculators to kindergarten students. "Who really cares if you can do long division, anyway?" says Earnest. "I learned to do square roots in the fourth grade, but I don't want to be bothered with that process today." If you understand the concept of square roots, have estimation skills, and know how to use a calculator, the torture of memorizing and performing an involved computation is no longer necessary. Simply put, "the calculator has taken some of the drudgery out of mathematics," says Hooker.

The recent application of computers and calculators to mathematics is a clear signal that math is a living changing field that offers yet more to explore and learn. Faculty members in the Department of Mathematics thus spend much of their time in research. "The old idea that teaching and research are competitors is a fallacy," says Charles N. Maxwell, professor of mathematics. "The two types of creativity are very close to one another. As a student, the teachers I admired most were also the good researchers. Teaching and research are joined together to

make one entity, so that one supports the other."

In many cases, the research areas are motivated initially by problems in applied areas. "The studies in differential equations, for example," in which many SIU faculty members are involved, says Earnest, "are tied to problems in the physical sciences." Research may involve new methods of mathematical communication and expression.

Research also involves the mathematics faculty in the intellectual and professional growth of graduate students. "The students on the master's and Ph.D. levels form something very important to us," Maxwell says. "When we send out one student with a Ph.D., something really good happens. It takes a big effort. Although the number of graduate students is small compared to the many undergraduate students we serve, working with graduate students is one of the major things we do."

Current research interests include algebraic number theory and arithmetic theory of quadratic forms (Earnest); algebraic topology, homotopy theory and cohomology theory (Maxwell); determination of causal models for continuation in high school mathematics study sequences (Pedersen); and boundary value problems, stability, and ordinary differential equations-oscillations (Hooker)—none of which sounds very ordinary to the non-mathematician.

A Home for Mathematics

Not too many years ago, a mathematics major chose the field in order to teach it. Today, SIU graduates also are involved in banking, finance, insurance, aerospace, electronics, marketing, pre-med and pre-law.

Annual entry salaries for mathematics majors have risen higher than many other fields. In 1983-84, mathematics majors were offered, on average, \$23,400 per year, more than majors in civil engineering (\$22,764) and marketing (\$17,820). Between 1982-83 and 1983-84, mathematics also posted an 8.4 percent rise in salary, higher than chemical engineering (2.6 percent) and computer science (5.4 percent).

"Our mathematics department major is different from others, in that we aren't just a professional training ground. The mathematics graduate has a liberal education," Maxwell emphasizes. Yet with a traditional base in the liberal arts and a strong service role in engineering and the sciences, where is mathematics' logical home?

Of the seven classical liberal arts—number theory, geometry, astronomy, music, grammar, logic and rhetoric—two clearly are mathematics and two others use mathematics. Such a dynamic, philosophic, practical field may in fact be so difficult to define that mathematics really is a "home" unto itself.—Laraine J. Wright

The Alumni's Great Teacher

Harlan H. Mendenhall had been in the news business for more than 30 years. One day he decided he'd had enough. The veteran journalist had done just about all there was to do in the field—from magazine writing to documentary film work. "I began to get bored," Mendenhall said. "And I was looking for a change."

He first learned about SIU in 1967 while at the Waldorf Astoria in New York City to accept an award for a documentary film he'd produced. While thumbing through a copy of *Broadcasting* magazine, Mendenhall spotted an employment ad to teach at SIU's Department of Radio-Television. "I immediately wrote a letter of application," Mendenhall said. "It was in longhand and on hotel stationery, which is all I had. I apologized and wrote that I'd

send a follow-up letter, properly typed, as soon as I returned home."

He was hired three days later.

Since then, the seasoned journalist has taught SIU journalism and radio-t.v. students how to sharpen a dull news lead and how to prune the deadwood of verbiage in a feature story. As a teacher, Mendenhall's influence extended well beyond the classroom. He became a veritable den father and buddy to scores of students. "I always encouraged them to come and talk to me if they had problems," Mendenhall said. "As a result, I've gotten to know many of my students quite closely. Some of my colleagues thought I was crazy for getting so involved, but I guess I didn't know any better."

While Mendenhall's close contact with students seemed unorthodox to the more starchy educators, his students generally regarded him as the consummate teacher. That fact became apparent in October when Mendenhall won the SIU Alumni Association's Great Teacher Award for 1985.

He received the 26th annual award at the Alumni Recognition Luncheon held in conjunction with SIU's Homecoming. Honoring classroom teaching excellence, the award carries with it a check for \$1,000. Winners are selected by members of the SIU Alumni Association.

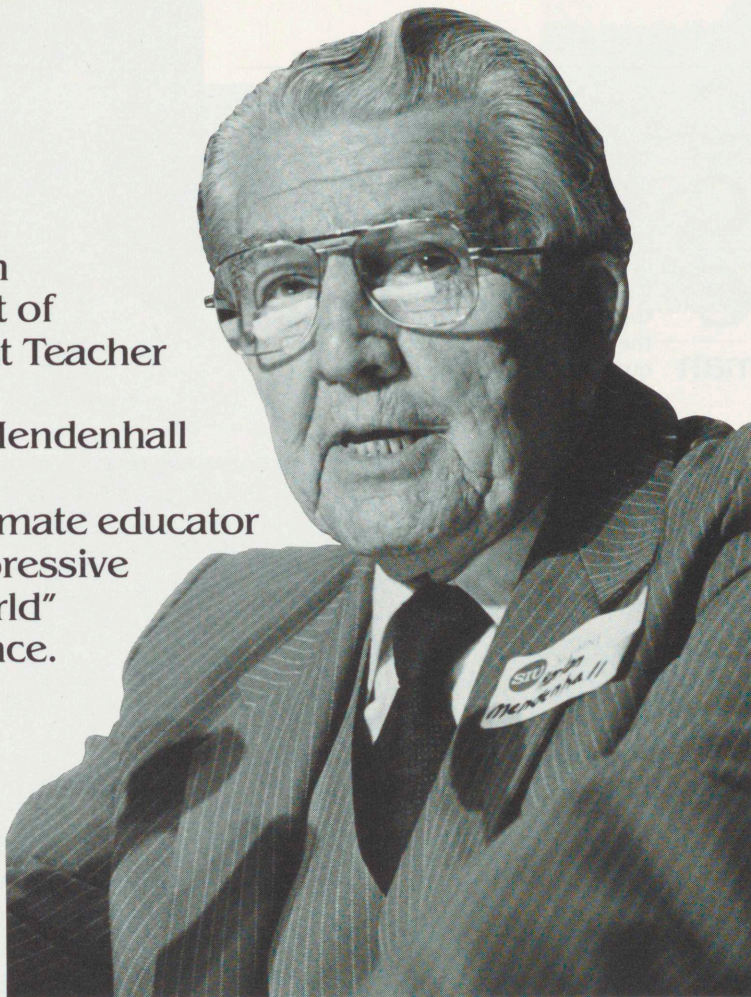
The 70-year-old Mendenhall has made a hobby of keeping tabs on the careers of his former students—some of whom have become Pulitzer Prize winners, newspaper owners, network news reporters and advertising executives.

After graduating from the University of Oklahoma in 1937, Mendenhall went on to work at a variety of media-related jobs. He has been a television newswriter-producer, a newsfilm editor, print journalist, radio-television reporter and a documentary film maker.

His flair for writing landed him a job in 1941 with CBS radio where he wrote the famous "Gang Busters" program. Between 1947 and 1962 he was directing and producing newsreels,



The 26th recipient of the Great Teacher Award, Harlan Mendenhall is a consummate educator with impressive "real world" experience.



ing. In addition to his teaching duties, he served for years as the journalism school's placement director, a job that kept him in close touch with department alumni.

In fact, he continues to field between six and eight calls a week from alumni "who are lonesome or just want to chew the rag." Over the years, he has attended some 75 weddings of former students, served as best man six times and has even given the bride away on a few occasions.

He receives between 250 and 300 Christmas cards a year from journalism and radio-television alumni throughout the country. "It takes me about two months to answer them all, Mendenhall says. "But I've never been one to believe that a teacher's involvement ends when the final exams are collected."—Don Braakman

documentaries and commercials. In 1957 he became majority owner of Columbine Pictures Co., a Denver-based firm which produced films for Universal Pictures, NBC News and advertising agencies.

Practical experience, Mendenhall says, is necessary to be an effective teacher. "It prepared me for the 'real world,'" he said. "Too many teachers give students a distorted picture of what it's like out there because they've never been out there themselves."

Mendenhall has been on medical disability leave from the University since 1982, a result of injuries suffered in a car accident. He is slated for official retirement in September 1986, but that doesn't mean he's been taking it easy. He is working on his first book, the "official biography/novel" of convicted killer John Wayne Gacy, which examines two generations of Gacy's family and searches for reasons behind the crimes. The book came at the urging of a former student, Marian Amaroso.

Mendenhall was on the faculty of SIU's radio-television department for four years before switching to the School of Journalism in 1971. There, he taught courses in feature writing, public relations and cable TV report-

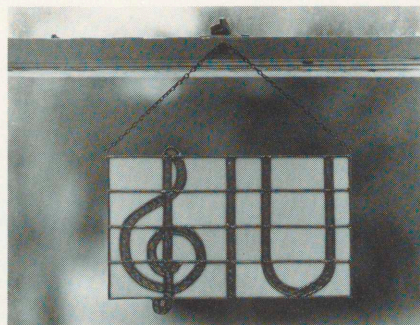


MUSIC, MUSIC, MUSIC

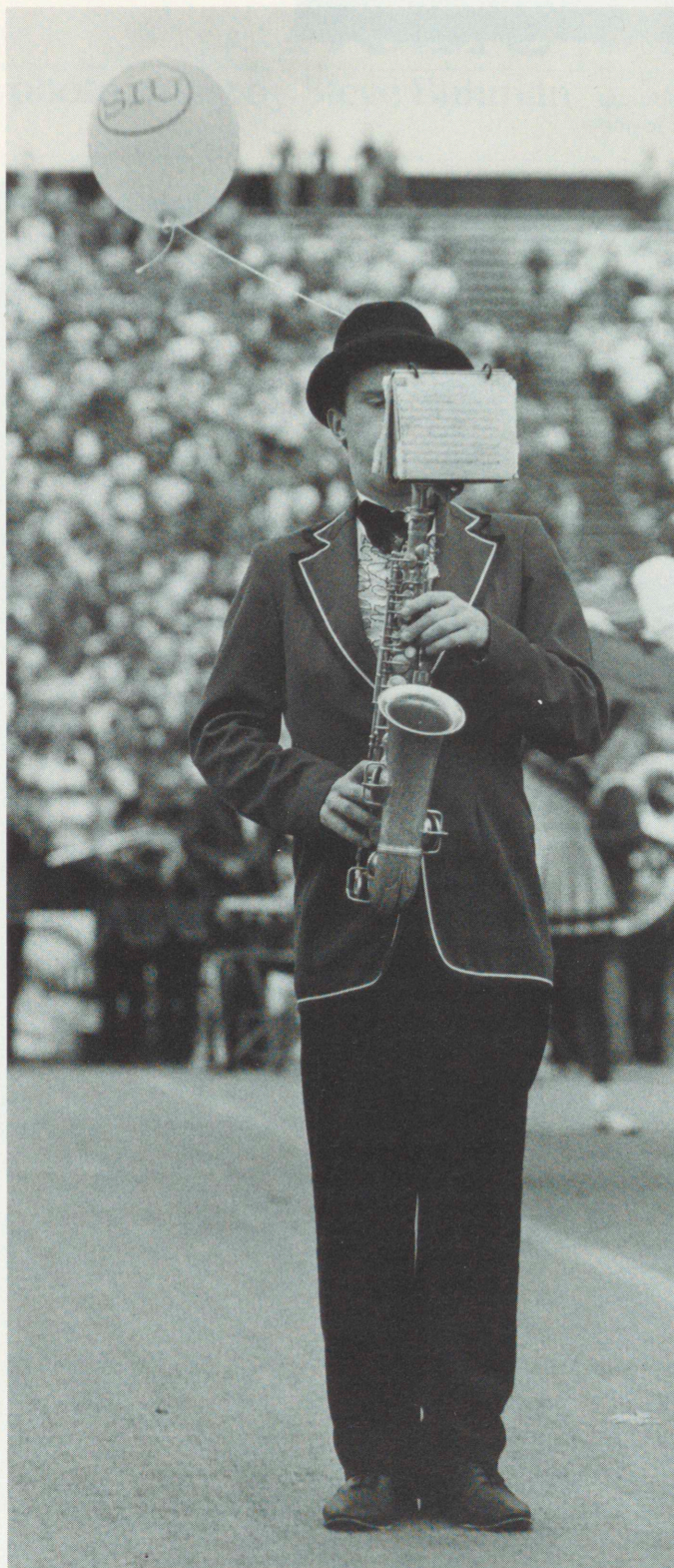
A photo essay by Steve Buhman

Since 1897, when instrumental music was added to the University curriculum, the sounds of violins, pianos, organs, flutes, clarinets, trumpets—in fact, the whole musical range of an orchestra—have followed generations of students down the paths of the Old Campus. Taken in Altgeld Hall and the Old Baptist Foundation building, the photographs speak of the timeless qualities of music and of the dedication of music students to their art.





Homecoming '85



Marching Saluki Curtis Halloway performs during half-time ceremonies. *Karl Dukstein*

It rained, again, just like last year. But this year, at least, the football Salukis won. Homecoming 1985 drew hundreds of alumni to the SIU Student Center and McAndrew Stadium. And the rain let up long enough for alumni to make the rounds and have fun at a pre-game tailgate party.

Inside, during the Alumni Recognition Luncheon, 275 alumni, faculty and administrators paid tribute to other winners—three alumni given annual Alumni Achievement Awards and a faculty member voted the 1985 Great Teacher.

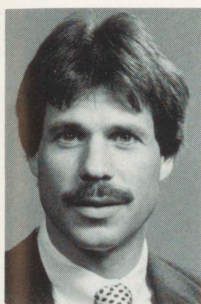
Ralph E. Becker '55, radio/t.v., and Jonathan K. Ng'eno MA '66, PhD '72, were presented with Alumni Achievement Awards for professional achievements. Becker is president and chief operating officer of Television Station Partners, New York City, owner of six network-affiliated television stations. Ng'eno is Kenya's minister of education, science and technology.



"Here's to us!" Members of the Half-Century Club toast each other at a dinner in the SIU Student Center Ballroom.



Umbrellas were up as Saluki fans watched their team defeat Southeast Missouri State University.



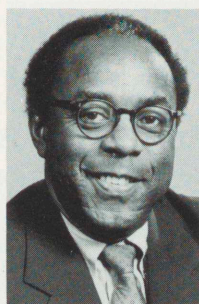
Jim Gildersleeve



Lee Roy Brandon



Gayl Pyatt



W.A. Butts



George McLean



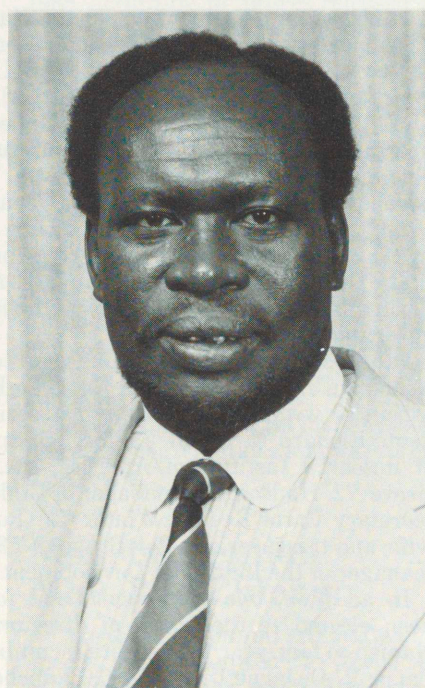
Mary Jane Kolar



A big welcome was extended to SIU alumni, students, and staff members who braved the rain on Homecoming. *Karl Dukstein.*



The Marching Salukis slog up Illinois Avenue in the rain during the Homecoming parade. *Karl Dukstein*



Jonathan K. Ng'eno, Kenya's minister of education, science and technology, received an Alumni Achievement Award.



Harold Dycus, Carbondale businessman, received an Alumni Achievement Award for Service.



Richard Small



Carol Keeney Winter

Becker announced his donation of \$50,000, accepted by the SIU Foundation, to establish scholarships in the Department of Radio and Television. His business partner, I. Martin Pompadur, had also arranged for a new scholarship: \$10,000 to establish the Ralph E. Becker Scholarship Fund for use in the same department.

A third Alumni Achievement Award, for service, went to Harold Dycus M.Acc. '65, partner and co-owner of the Carbondale certified public accountancy firm, Dycus Schmidt and Bradley.

The 1985 Great Teacher winner is Harlan Mendenhall, emeritus professor of journalism. (See related article, page 14.) All awards were presented by the SIU Alumni Association and its members.

Ninety-nine persons attended the Half-Century Club dinner honoring the 50-year class and all previous classes.

New officers and members of the SIU Alumni Association Board of Directors were also introduced.

W.A. Butts MA '62, PhD '68, of Upper Marlboro, Md., has been elected Association president, succeeding Harold A. Kuehn '51 of Du Quoin, Ill. Butts is director of Post-Secondary Relations for the U.S. Department of Education (DOE). He directed Title III Programs when he joined DOE in 1982, after serving seven years as president of Kentucky State University. He received an SIU Alumni Achievement Award in 1980 and has been a member of the Association's governing board since 1981.

Other officers elected to one-year terms are: president-elect Paul L. Conti '72, MBA '74, Glen Ellyn, Ill., an account executive with Software Design Associates, Inc.; vice presidents Richard N. Small '58, MS '65, Springfield, Ill., owner of Research Institute of America, Inc., and James Gildersleeve '72, Hudson, Ill., manager of Gildersleeve Enterprises; secretary Carol Keeney Winter '57, Rockford, Ill., a housewife; and treasurer Lee Roy Brandon '58, Herrin, Ill., general manager of the Industrial Development Authority of Illinois.

In addition, two incumbents and four newcomers have been elected to the board of directors of the association. Named to four-year terms were incumbent Butts; incumbent Larry R. DeJarnett '62, MS '63, Rancho Palos Verde, Calif., vice president of Lear Siegler Inc.; George E. McLean '68, MBA '73, Ballwin, Mo., financial planner for Dean Witter Reynolds; Gayl S. Pyatt JD '76, Pinckneyville, Ill., an attorney; and Mary Jane Kolar '63, MA '64, Chicago, executive director/secretary treasurer of Altrusa International/Altrusa Foundation.



Ralph Becker '55 (left), Alumni Achievement Award winner, is congratulated by SIU President Albert Somit.



SIU alumni (from left) Mabel Smith Schwartz, Barbara Jane Schauwecker and Raymond Johnson chat during the tailgate party outside of McAndrew Stadium. *Steve Buhman*

Chancellor Shaw joins Wisconsin system

Kenneth A. Shaw, chancellor of the Southern Illinois University system since 1979, will be leaving SIU on Feb. 1 to become president of the University of Wisconsin's statewide system of campuses.

Wisconsin's sprawling system, second largest in the United States, numbers some 162,000 students at 13 four-year schools and an equal number of two-year centers. The SIU system—with campuses at Carbondale, Edwardsville, Springfield, Alton and E. St. Louis—includes 34,000 students.

Shaw holds degrees from Illinois State University, the University of Illinois, and Purdue University. He has served as assistant to the president at ISU, as vice president and dean of Towson State University in Baltimore, Md., and as president of SIU-Edwardsville.

The position of SIU Chancellor was established in 1979 by the SIU Board of Trustees to provide a centralized, more powerful voice with the Illinois state legislature on budget and policy issues affecting the SIU campuses.

The Presidential Search Consultation Service of the Association of Gov-



erning Boards of Universities and Colleges has been selected as the consultant to aid SIU's Board of Trustees in its search for Shaw's replacement. Board Chairman Harris Rowe said he hopes a choice can be made by Feb. 1.

showed it had investments of \$423,954 in five companies doing business in South Africa. All five companies had already agreed to the Sullivan principles.

Radio-TV ranks 4th in best-prepped grads

SIU's Department of Radio-Television has received kudos from television news directors for its role in preparing graduates for newsroom work.

A survey sponsored by the Radio Television News Directors Association found that SIU was the fourth-most-mentioned university when news directors were asked, "Which schools do the best job of preparing students for your newsroom?" The University of Missouri, Northwestern University and the University of Florida were the top vote-getters, followed by SIU.

New director named for recruitment

Terry D. Mathias MEd '75, PhD '82, associate director of University Relations, was appointed director of SIU's Office of Student Recruitment on Sept. 15, 1985. The office, established in 1984, had been headed by acting director Thomas E. McGinnis, who has returned to his former position of assistant director of Admissions and Records.

Mathias was director of admissions at Ottawa University, Ottawa, Kans., from 1977 to 1979, during which time he planned and directed recruitment and admissions and increased new student enrollment for the first time in seven years.

40 percent increase in donations to SIU

Contributions to SIU increased 40 percent between fiscal years 1984 and 1985, according to figures released by SIU President Albert Somit and Foundation Board Chairman James R. Brigham in October 1985.

A total of \$3,479,948 in contributions were posted for the period from July 1, 1984, to June 30, 1985, an increase of \$996,646 (40.1 percent) over 1984's total of \$2,483,302.

Somit said the total represents several major gifts, including the largest contribution in SIU's history, a \$1.098 million farm from Calvin Ibendahl '83 and his wife, Jean. Also influential is a jump in SIU alumni contributions to annual giving campaigns.

The \$3.48 million total includes both monetary contributions and gifts other than money.

Maori reception Mar. 8 in Chicago

Chicago-area alumni are invited to a special event when the "Te Maori" exhibit opens at the Field Museum of Natural History. The first-ever national exhibit, already featured in New York City, St. Louis, and San Francisco, makes its last U.S. appearance in Chicago this spring.

The SIU Alumni Association has ar-

Foundation limits ties to S. Africa

The SIU Foundation has urged its financial counsel in St. Louis to avoid investing money in South African businesses unless they have signed the Sullivan principles of equal employment.

The Foundation's Board of Directors voted in favor of a four-point resolution on Sept. 16, 1985. The policy also cautions its investment counsel, Centre Trust Co., against depositing Foundation funds in banks that make direct loans to the South African government. And the resolution urges SIU to provide special educational opportunities for South African blacks.

The Foundation's investments in South Africa had been decreasing even before its board approved of the resolution. A report on the Foundation's investment portfolio as of June 30, 1985,

ranged a series of events for Saturday, Mar. 8, at the museum. Sidney Moko Mead PhD '68, co-curator of the exhibit and head of Maori studies at Victoria University of Wellington, New Zealand, is expected to be at the reception to great alumni.

The tentative schedule includes a lecture from 2:30-3:30 p.m., exhibit tour from 3:30-4:30 p.m., and reception from 4:30-6:00 p.m.

For more information, phone the SIU Alumni Association at 618-453-2408.

Chapters focus on sports talk

Within a recent three-month period, all nine meetings of SIU Alumni Association chapters have featured University sports personalities:

Los Angeles/Southern California, Aug. 14; 79 alumni attending; Bill O'Brien, NFL referee and former chairman of the SIU recreation department, speaker. Contact Mildred K. Wallace, 213-274-6664.

San Francisco/Northern California, Aug. 17; Bill O'Brien, NFL referee and former chairman of the SIU recreation department, speaker. Contact Ed Edelman, 415-921-8815.

Belleville, Ill., Aug. 28; Rich Herrin, SIU men's basketball coach, speaker.

Centralia, Ill., Aug. 29; 42 alumni attending; Rich Herrin, SIU men's basketball coach, speaker.

Perry (Ill.) County, Sept. 5; 47 alumni attending; Rich Herrin, SIU men's basketball coach, speaker.

Dallas/Ft. Worth, Sept. 21; 40 alumni attending; Texas Rangers pre-game reception with a former Saluki baseball player. Contact Janice Crumbacher, 214-922-7432. The chapter is aggressively seeking members and volunteers for its spring telefund.

DuPage/Kane (Ill.) Counties, Oct. 10; 56 alumni attending; Bill O'Brien, NFL referee and former chairman of the SIU recreation department, speaker. Contact Jane Hodgkinson, 312-790-9370.

Union (Ill.) County, Oct. 24; reception for Steve Carroll, assistant SIU men's basketball coach.

Franklin (Ill.) County, Nov. 8; pre-game reception for Rich Herrin, SIU men's basketball coach, and intra-squad game.

Moot court team wins national competition

A three-member student team from SIU's School of Law has won first place in a national moot court competi-

tion sponsored by the American Bar Association.

The contest, the Appellate Advocacy Competition, was held Aug. 9-11, 1985, in Washington, D.C. Eighteen teams—winners in earlier regional competitions—participated. SIU defeated the South Texas School of Law in Houston to win the national competition. SIU also won the award for best written brief.

Although the SIU law school has won first or second place in a number of regional moot court contests, this was the first time the school has won a national championship.

33 faculty/staff members retire

Among a group of 85 SIU employees to retire within the last year were 33 faculty and administrative/professional staff members, listed here with their number of years of service:

Imogene C. Beckemeyer '51, MA '52, assistant professor of mathematics, 34 years.

Donald N. Boydston, professor and chairman of the Department of Health Education, 30 years.

Boyd B. Butler '52, MS '68, assistant director of the Office of Regional Re-

search and Service, 29 years.

Carol B. Christensen, academic adviser in the College of Business and Administration, 16 years.

Joseph C. Coughlin, professor and director of the Center for the Study of Crime, Delinquency and Corrections, 12 years.

Lewis E. Davids, professor of finance, seven years.

William A. Doerr '51, MS '55, PhD '73, associate dean of the School of Agriculture and associate professor of agricultural education and mechanization, 20 years.

S. Morris Eames, professor of philosophy, 22 years.

Betty L. Fladeland, Distinguished Professor of history, 23 years.

Norman C. Greene MSED '61, assistant professor of men's physical education, 28 years.

Charles E. Greer MSED '55, PhD '78, visiting assistant professor of educational leadership, nine years.

Jane Powers Harris '70, chief academic advisor, College of Liberal Arts, 15 years.

Lewis B. Hartzog, director of intercollegiate athletics for men, 25 years.

Richard A. Hoffman MSED '73, staff assistant at University Publications and Graphic Services, 25 years.

C.B. Hunt Jr., professor of music



Long Division. Imogene Beckemeyer '51, MA '52, ponders a division problem: 30 people into one cake. Beckemeyer retired Aug. 31, 1985, after teaching mathematics at SIU for 34 years.



SIU's Bus Was a Matchmaker. When Debra Ogilvie and Bruce Hankey, both 1983 SIU graduates, tied the knot on Aug. 3, 1985, in Waukegan, Ill., they rode to their reception on an SIU bus. They had first met as freshmen on a similar bus during a dorm-sponsored trip to St. Louis. The sentimental journey on their wedding day cost then \$530 for the bus rental, but they wanted to be "just a little different," Ogilvie said. "And we wanted everyone in the wedding party to ride together." *Photo by Finley Photography*

and former dean of the College of Communications and Fine Arts, 11 years.

Egon K. Kamarasy, assistant professor of political science, 26 years.

David T. Kenney '47, MSED '48, professor of political science, 26 years.

Herman R. Lantz, professor of sociology, 34 years.

Donald MacDonald, associate professor of speech communication, nine years.

Sidney E. Matthews, assistant director of Morris Library and assistant professor of library affairs, 21 years.

Sylvia B. Morrill, academic advisor, College of Science, 15 years.

Harold W. Osborn MSED '60, assistant professor and coordinator of construction technology, 30 years.

Inge A. Rader PhD '74, academic advisor in the College of Human Resources, 16 years.

Alfred W. Richardson '40, professor of physiology, 19 years.

Edward J. Shea, professor of physical education and former chair of the Department of Physical Education for Men, 31 years.

Donald J. Shoemaker, professor of psychology and communication disorders and sciences, 25 years.

Jack E. Simmons '47, system internal auditor, 33 years.

Michael Skalsky, professor of mathematics, 28 years.

Charles R. Snyder, professor and chair of sociology, 25 years.

Eelin Stewart-Harrison, professor of theater, 24 years.

Wanda L. Stucker '78, assistant instructor in career development, 15

years.

Marion B. Treece '66, assistant to the director of Student Work and Financial Assistance, 28 years.

Annie E. Woodbridge, assistant humanities and catalogue librarian and instructor of foreign languages, 20 years.

\$115,000 in grants from two corporations

SIU has been awarded grants totaling \$115,000 from the Texas Instruments Corp. (\$90,000) and the Atlantic Richfield Foundation (\$25,000) to aid University faculty.

The grant from Texas Instruments was awarded to the Department of Computer Science to purchase 14 microprocessors used in faculty offices for teaching, research and course development.

The Department of Chemistry and Biochemistry received the Atlantic Richfield grant to purchase equipment to aid new professors in their research. The grant was sponsored by Bob G. Gower '58, MA '60, president of Lyondell Petrochemical Co., a division of Atlantic Richfield, Atlanta, Ga.

Flying Salukis head to national fly-off

SIU's ace airborne team, the Flying Salukis, won its fourth consecutive championship of the Region Eight Intercollegiate Flying Association on Oct. 12, 1985. Team members shot down their nearest opponent, the University of Illinois, by more than 90 points in the regional event.

The win qualifies the team for the Association's national competition this April in Waco, Tex. The Flying Salukis have won six of the last eight national championships.

Composition classes now using computers

SIU's Department of English is now one of the few in the nation to make extensive use of microcomputers, thanks to a \$125,000 grant from the Illinois state legislature to set up a microcomputer laboratory in Faner Hall.

The department teaches 16 sections of English composition in the laboratory. "Many universities have drop-in computer labs, but only a handful of schools across the country have a facility like ours, where a whole class can meet," said Stephen A. Bernhardt, assistant professor of English.

Hansen leaves SIU for Maryland post

Barbara C. Hansen, dean of the Graduate School and associate vice president for Academic Affairs and Research, has been named vice chancellor for graduate studies and research in the Graduate School of the University of Maryland, Baltimore County.

Hansen began her new duties on Jan. 1, 1986. She joined SIU in 1982, coming from the University of Michigan, where she was associate dean for graduate studies and research.

Law School chooses 'Alumna of the Year'

Elizabeth S. Kelly '78, the Biddle Library director at the University of Pennsylvania Law School, has been named 1985 Alumna of the Year by the SIU School of Law Alumni Association. She is the first recipient of what is slated to be an annual award.

Kelly has been president of the Mid-America Association of Law Libraries and has served on inspection teams for the American Bar Association and the Association of American Law Schools.



Parent of the Day. Betty J.H. Brooks MS '79 was chosen Parent of the Day during SIU's annual Parents' Day Weekend, thanks to a winning essay about her written by her son, Thurman L. Brooks, 20, a junior in accountancy. Mrs. Brooks, of Carbondale, Ill., is an adoption worker in the Illinois Department of Children and Family Services. Through "Mom's attitude and genuine concern," Thurman wrote, "she has shown me how much she cares and what family life is all about." At left is Mrs. Brooks' daughter, Jeri.

Alumnus Locker Room

SIU knocks fight out of Fighting Illini

They called us the under-Dawgs, but the 1985 Football Salukis came close to an upset in a 28-25 point thriller against the University of Illinois this fall.

The Fighting Illini were five-touch-down favorites going into the first-ever match-up, held Sept. 14, 1985, in Champaign-Urbana's Memorial Stadium. But bookies and Illini fans both got a surprise.

The U of I took an early 6-0 lead on two field goals until SIU rolled up 17 unanswered points to end the first half of play. Illini fans were stunned at the marauding Saluki defense and a surprising performance by freshman SIU quarterback Kevin Brown.

The capacity crowd of more than 76,000 was perhaps expecting four quarters like the third turned out to be. SIU was outscored 22-3 in the third quarter to fall behind 28-17. But we weren't finished yet.

In the fourth quarter the Salukis first drove 34 yards for a touchdown after an Ira Davis interception and long return. Then Brown connected with Sebron Spivey on a conversion pass to make the score 28-25.

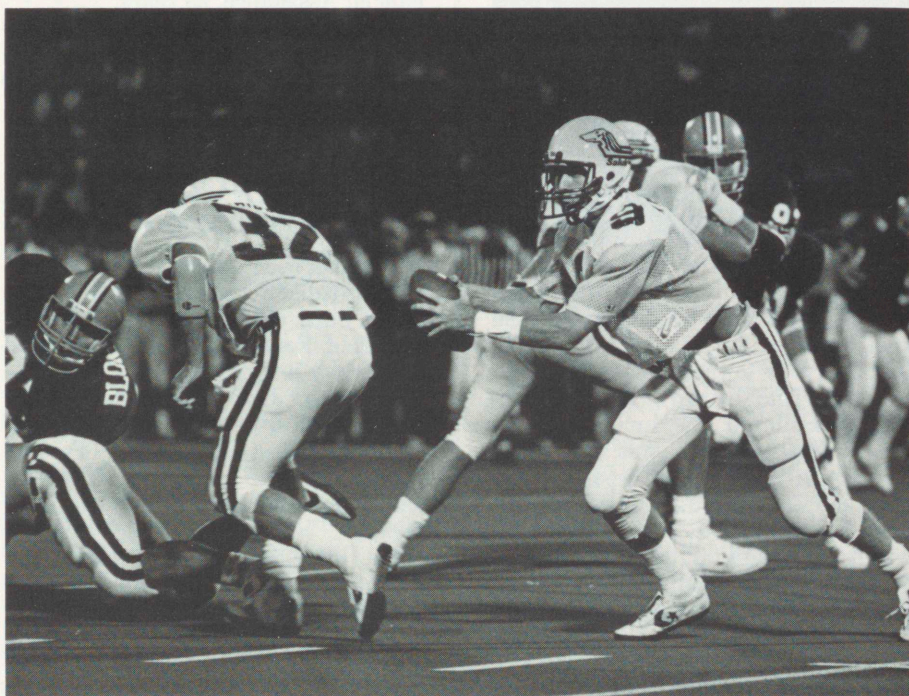
With little more than a minute left to play, Saluki Ron Miller lined up for what might be the game-tying field goal. But his 47-yard kick fell short by about two feet. Although the Illini won the game, the Salukis won most of the crowd's respect. A *Chicago Tribune* reporter labeled the evening "Fright Night for Illinois."

SIU fans were allotted only 2,500 seats for the game. Many Saluki enthusiasts bought their tickets from the U of I, however, giving our football team plenty of audible support from the stands.

More than 600 SIU alumni gathered during the pre-game "Tailgreat '85" at the SIU Alumni Association tent to hear the Marching Salukis pump up the crowd. The band later shared a pre-game stadium performance with the Marching Illini, spelling out "S-I-U" on Illinois turf for the first time.

The tuxedo and Homburg-clad Marching Salukis, known for their jazzy sound and playful antics, were in sharp contrast with the 300-member U of I corps band. But the contrast was greater in the stands. While Illini fans held their hands to their heads, Saluki cheers were high in the air.

Among the SIU alumni present for the historic game was SIU Alumni



Definitely hot football Dawgs turned Illini fans into Jello and SIU fans into Peppers. Before a capacity 76,000 crowd at the University of Illinois, the Saluki football team came within four points of beating the Big Ten power. Here, SIU quarterback Kevin Brown fakes a handoff to fullback Bruce Phibbs (32).

Association President Harold Kuehn '51, who in the late 1940s and early 1950s played for both the Illini and SIU gridiron squads. Kuehn said he played in the Illini backfield before entering the service during World War II. After the war, Kuehn completed his degree at SIU, where he played on the offensive and defensive line.

According to Coach Ray Dorr, a possible rematch is in the works for 1988. "I know it's good for Southern Illinois University. I don't know if it's good for Illinois," he said.

Dorr has made a commitment to play his team against at least one Division I-A power a year. In 1986 and 1987, SIU has signed to play the University of Kansas. In 1988, we take on the University of Kentucky. Dorr would like to attract a I-A team to McAndrew Stadium in 1989, and he has a verbal agreement to play an unannounced I-A school in 1990.

Eight inducted into Sports Hall of Fame

SIU's Sports Hall of Fame has added eight new members this year, including the coach responsible for dozens of SIU gymnastic champions and a long-time assistant athletic director. Two

other men and four women, all former student athletes, have also joined the elite group inducted on Sept. 7, 1985.

Leading the pack of male inductees are William T. (Bill) Meade, 29-year head coach of SIU gymnastics, and Bill Brown, 19-year SIU assistant athletic director. They were joined by former football player Charles Warren '69, MSEd '74, and track star Robert Green.

The four women, representing a half dozen sports at SIU, are Robin Deterding '80, softball and volleyball; Mary Shirk Eppelheimer '79, track and volleyball; Bonnie Foley '79, basketball; and Kathy Rowlett '73, tennis, basketball, volleyball and golf.

Weathers named women's swim coach

Bailey Weathers, formerly an assistant at the University of Texas, has been hired to replace Tim Hill as SIU's swim coach for women.

Weathers will guide the Saluki women's attempt for a fifth consecutive top-10 national finish. SIU also looks to defend Gateway Conference and National Independents titles.

Weathers helped the Texas Longhorns to the NCAA championships in

both 1984 and 1985. He has worked under Richard Quick, the 1984 Coach of the Year and recent Olympic coach, producing numerous All-Americans including such world record-holders as Rowdy Gaines and Kim Linehan.

Now the women's swim coach at Arizona State, Hill guided SIU to four consecutive top-10 finishes after joining SIU in 1980.

Men's basketball team small but aggressive

SIU Men's Basketball Coach Rich Herrin says his young Salukis must be "extremely aggressive to make up for our lack of size and strength" in Missouri Valley Conference play this year.

Herrin, who came to SIU in May 1985 to replace Allan Van Winkle, compiled a 616-209 win-loss record during the past 25 years at Benton (Ill.) High School. Regarded as one of the state's leading high school coaches, Herrin said he won't change his philosophy of play as he moves into the college ranks—and he expects the same from his players.

"We'll play with a lot of heart and desire. I've always believed in that," Herrin said. "Most of our players have been winners in high school. They play hard and they want to win."

Only four members return from last year's 14-14 team and none of the players on the 16-man roster have had much playing time at the college level.

"It's going to be an awfully tough year for us to win," Herrin said. "But these boys are very aggressive, hard workers. They want to be successful. We'll surprise some people and upset some good teams in the Arena this year. But what we really need is a big 6-foot-8 player at 225 pounds." The Salukis plan to play a three-guard offense to make up for their lack of size, with as many as 10 players getting into each game.

Herrin will use the fall non-conference schedule as an experiment to prepare for conference games. The first home conference game is Jan. 16 against Tulsa. SIU is ineligible for conference championship play this season because of 1984-85 NCAA rules violations.

SIU swimmers cited for academic honors

Five members of the SIU women's swim team have been named Academic All-Americans by the College Swimming Coaches Association of America.

Cited for academic excellence were Lori Rea, sophomore from Boise, Idaho;

Iris Von Jouanne, sophomore from Renton, Wash.; Sue Wittry, junior from Peoria, Ill.; Claudia Zierold, senior from Lugano, Switzerland; and Amanda Martin, senior from Marlton, N.J.

Only 17 women swimmers representing NCAA Division I schools were honored nationally. To qualify, swimmers must have participated in the 1985 NCAA Swimming and Diving Championship, while maintaining a cumulative grade point average of 3.5 (4.0 scale) or better.

Koher, 6-4 forward, joins women cagers

SIU Women's Basketball Coach Cindy Scott signed another 6-foot-4 freshman this fall for added power at the baseline, increasing the lady cagers' chances of topping their 1984-85 second place Gateway Conference finish.

Deborah Koher, of Ligonier, Ind., was a West Noble High School standout both on and off the court. She was valedictorian of her 1985 graduating class and averaged about 13 points, 11 rebounds and three blocks a game her

senior year for the Chargers.

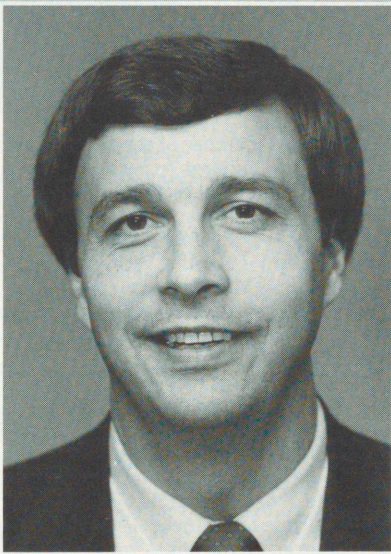
Coach Scott said athletes like Koher "who are that big, that talented and that intelligent can be tough to come by." Yet Scott was able to sign two such players last spring. Cathy Kempwerth, a 6-foot-4 center from Highland, Ill., also signed a full scholarship.

Koher said the top quality of SIU's athletics training program was one of the factors that prompted her to choose the University over some 50 others.

The remaining 1986 women's basketball schedule:

Jan. 16—at Western Illinois
Jan. 18—at Bradley
Jan. 22—at SIU, Indiana State
Jan. 25—at SIU, Illinois State
Jan. 31—at Drake
Feb. 1—at Northern Iowa
Feb. 7—at SIU, Eastern Illinois
Feb. 10—at St. Louis University
Feb. 12—at Evansville
Feb. 14—at SIU, Western Illinois
Feb. 17—at SIU, Bradley
Feb. 21—at Illinois State
Feb. 23—at Indiana State
Feb. 28—at SIU, Northern Iowa
March 1—at SIU, Drake
March 3—at Wichita State
March 5—at SW Missouri

A new direction for intercollegiate sports: Livengood to oversee combined program



James Livengood

James (Jim) Livengood, formerly an associate athletics director at Washington State University, became SIU's new director of intercollegiate athletics on Nov. 1, 1985. Livengood, 40, will administer both men's and women's programs and report directly to SIU President Albert Somit.

Livengood is expected to play a large part in restructuring SIU's athletics program. Somit selected Livengood from a field of four finalists.

Livengood said he wants to spark campus and area-wide involvement and promote "solidity" in SIU's broad-based sports programs. "I will at all times be honest and fair," he said. "SIU's intercollegiate athletics program has far more visibility than you might think. But we've got to get everybody involved. I'm not a miracle worker, but I'm a dreamer. I like to roll up my sleeves and get to work."

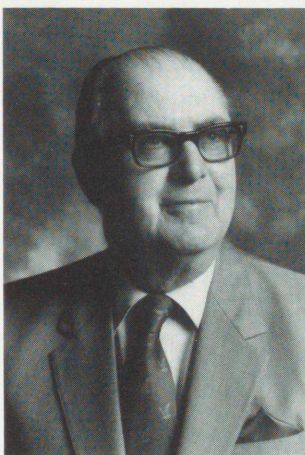
Livengood said he wanted to take a careful look at both men's and women's programs before recommending any moves. He said he has a "philosophical commitment" to multi-sports programs such as SIU's. "But I do believe," he added, "that you need to be able to fund all your programs at the national level of competition."

Somit said he was confident that Livengood "will provide creative and consistent leadership to SIU's athletics program." On the agenda for the new administrator are the organizational structure of the athletics program, its financial situation, the size and role of the Intercollegiate Athletics Advisory Council, and SIU's conference affiliations.

1930's

Rolla R. Ross '39 of Cos Cob, Conn., has joined the Manhattan Consulting Group, New York City, as a principal of the firm. He has been associated with I.B.M., Sperry, Condec, and Booz, Allen & Hamilton, and is a recent winner of the Distinguished Service Award from the Association of Systems Management.

Jesse W. Stonecipher '39 has been enshrined by the Illinois Aviation Hall of Fame. Long active in the aviation field, he has the unusual distinction of having pilot designations from the U.S. Air Force, Navy and Army. He retired in 1982 as professor of aviation emeritus after a 36-year career with the University of Illinois. He lives in Pass Christian, Miss., with his wife, Margie.



A.C. Storme '41 has retired after over 40 years in education. He served the last 17 years as superintendent of Community Unit School District 2 in Marion, Ill.



David Nitz '75, MA '76, PhD '85, is an optimist. That's no small feat for someone who's spent more than half his life coping with muscular deterioration, partial blindness and emotional frustration brought on by multiple sclerosis.

Nitz is one of only a few persons in the world with chronic progressive multiple sclerosis to earn a Ph.D. But before climbing his next mountain, he'll have to plow through a lot of uncharted territory.

He has been selected as a member of the first group of human multiple sclerosis victims to undergo experimental treatment at Stanford University in California—treatment that has cured 14 of 16 mice with an MS-like disease. At press time he was in California, waiting for the Federal Drug Administration to give its OK for the treatment to be administered to people.

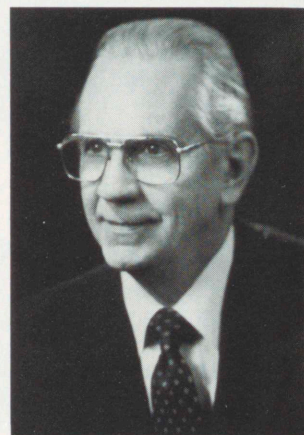
Diagnosed at 14 as having MS, Nitz was confined to a wheelchair a year later. The disease attacks the central nervous system, beginning with brief episodes of paralysis or weakness and visual problems that gradually intensify.

In the experimental treatment, Nitz will be injected intravenously with a manufactured "monoclonal antibody," which is supposed to attack unhealthy T-cells and keep them from destroying the insulation (known as myelin sheath) around the nerves. T-cells, or T-lymphocytes, are those white cells in the blood that normally are the body's front line of defense against disease.

If successful, the treatment will mend Nitz's sight, strengthen his limbs and perhaps even allow him to walk. "But no matter what, they told me the treatment should improve the quality of my life," he said.

Through his advocacy for the handicapped, Nitz has been helping other people for quite some time. He has been coordinator of community services for learning at Joliet Township High School and rehabilitation counselor at the Illinois Sheltered Workshop in Morris.

These days, though, he's looking forward to having someone else help him toward a better life. Because after 18 years, David Nitz may have seen the light at the end of the tunnel. And, he added, "I've always believed that the light at the end of the tunnel is a search party looking for me."—**Bonnie Marx**



Merle T. Welshans '40, a business consultant and adjunct professor of finance at Washington University, St. Louis, presented a paper at a 1985 international symposium in Seoul, Korea, to celebrate the 100th anniversary of Yonsei University. Welshans was professor of finance at Washington University until 1969, when he became the chief financial officer of Union Electric Company, St. Louis. He serves on several boards of national companies and on the boards of local college and community organizations.

1940's

Robert (Zeke) Davidson ex'49 has appeared in over a dozen movies in the past 12 years, including speaking roles in "Close Encounters of the Third Kind" and "Silverado." In the Aug. 6, 1985, issue of *Variety*, Davidson's photograph and letter to the publication were used by the magazine as a full-page testimonial ad. He lives in Anna, Ill., with his wife, Myra Jean.

Florence Crim Robinson '49, PhD '63, is the Fuller E. Callaway Professor of Music and chairperson of the music department at Clark College, Atlanta, Ga.

1950's

Auda Stone '50, MSED '55, was chosen Retired Teacher of the Year for Saline and Gallatin counties in Illinois. Before his retirement in 1972, he worked for 45 years as a teacher and superintendent in the counties. He and his wife, Ruth, live in Eldorado, Ill.

Jack L. Stroehlein '54 is professor of soil science at the University of Arizona, Tucson. A member of the Soil Conservation Society of America, Stroehlein was one of 11 persons to receive a 1985 Fellow Award from the society in recognition of his research on reclaiming saline and sodic soils and on improving the quality of irrigation waters. He received his MS and PhD degrees from the University of Wisconsin-Madison.

Paul Morris '55 is a mortgage broker with Alumni Mortgage Services, Inc., Lisle, Ill.

James A. Stoffler '55, PhD '67, has launched Wellsgray College in Greeley, Colo. The college uses a combination of directed study and computer technology and offers an MBA degree. In 1984, Stoffler retired from the University of Northern Colorado. His wife, **Mildred Michels Stoffler '50**, is director of the Weld Information and Referral Service. In May 1985 she received two awards for community service.

Fred R. Dallmayr MA '56 is the Dee Professor of Government in the Department of Government and International Studies, University of Notre Dame, Notre Dame, Ind.

George P. Jan MA '56 is professor of political science at the University of Toledo.

M. Allan Kays '56, Eugene, Ore., teaches and conducts research at the University of Oregon.

Grattena Hill Ponce '56 has been a teacher in the Venice, Ill., school system since 1956. She is also president of the Lewis and Clark Reading Council, an affiliate of the International Reading Association.

Thomas Giles '58 is principal of Niles North High School, Niles, Ill. He has been director of instruction for social studies and fine arts at the school since 1980. He is chairman of the school district's instructional computer committee and has been an educational consultant with the Westinghouse Learning Corporation. He lives in Schaumburg, Ill., with his wife, **Sharon Cherpital Giles '61**, and their son.

Delbert D. Harper '58 works in the Mangan-Eastern Exploration Department for Asanco, Inc. He lives in Maryville, Tenn.

Col. Clinton L. Noren '58, Manchester, Mo., is assistant deputy director for programs, production and operations of the Defense Mapping Agency Aerospace Center in St. Louis.

Len Zabroski '58, Lansing, Ill., was game chairman of the Fourth Annual Illinois-Michigan Baseball Classic played at Chicago's Comiskey Park on June 25, 1985. He has just completed 25 years of coaching baseball. His wife, **Ita Lou (Bubbles) Bozarth Zabroski '55**, is a high school guidance counselor.



Joseph W. Reano '59 has been named vice president and director of industrial relations for Packaging Operations of Owens-Illinois, Inc., Toledo, Ohio. He is responsible for coordinating all labor relations activities for the divisions. He joined Owens-Illinois in 1959 and served at plants in Alton, Ill., and Brockport, N.Y., before moving to Toledo in 1965 as staff assistant in the division's industrial relations department. He and his wife, DeAnna, have six children.

Louis Catron MS '59, PhD '66, is a professor of theater at the College of William and Mary, Williamsburg, Va.

Charles H. Hostetler '59 received a Borg-Warner Corporation Technical Innovations Award on June 20, 1985. The award recognizes significant innovations and conspicuous technical contributions. He is marketing manager for custom molding and has been with the Chicago company since 1961.

Ray Rothermel '59 is a senior petroleum and mining appraisal engineer for the State of California. He lives in Citrus Heights, Calif.

1960's

E. Robert Stefl '60, '63, MS '65, a professor of art, is acting chairperson of the Department of Art at Illinois State University. He has been on the ISU art faculty since 1966.

William V. Ittner '61, of Olney, Ill., works for GTE.

Richard S. Witt '61 is associated with Coldwater Banker commercial real estate services in Schaumburg, Ill.

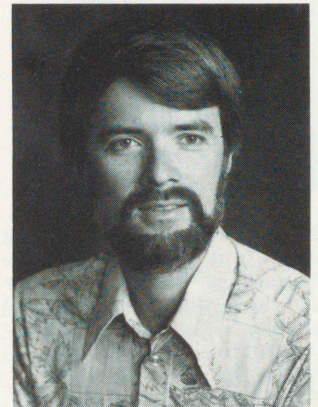
Robert C. Warthen '60, MS '62, works for Union Oil and lives in Anchorage, Alaska.

Charles Hartwig '64, MS '68, PhD '75, associate professor of political science at Arkansas State University, is spending the 1985-86 academic year on a Fulbright lectureship at Cuttington University College near Gbarnga, Liberia. He teaches African and comparative politics.

John B. Penson Jr. '65, MS '68, PhD '74, professor of agricultural economics at Texas A&M University, College Station, has earned the 1985 Distinguished Undergraduate Teaching Award of the American Agricultural Economics Association.

Kenneth L. Schuttler '65, MBA '67, is manager of the Animal Nutrition and Health Department in the Agriculture Division of American Cyanamid Co. He joined the company in 1979 as director of plant products. He and his wife, Linda, have two children and live in Kinnelon, N.J.

David H. Woods '65, MS '71, is chairman of industrial education and technology at Northwest Missouri State University. He previously was an assistant professor at Arizona State University.

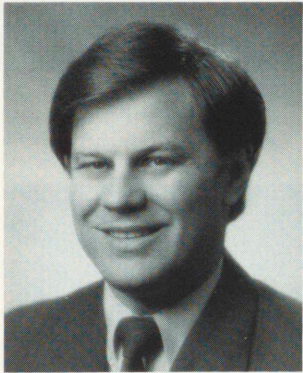


Richard E. Hartwig '65 is an associate professor in the Troy State University European Region for the academic year 1985-86. He is teaching in a graduate public administration/international relations program for Air Force officers in the Azores, Spain, West Germany and Turkey. He received his MA and PhD degrees from the University of Wisconsin at Madison.

Seif Ahmed Al-Wady Al-Romahi MA '67, PhD '70, has been named a life fellow of the American Biographical Institute Research Association, Raleigh, N.C. Membership is limited to those who have made significant contributions to society through professions or community services and who are interested in sharing knowledge and culture with others the world over. He lives in Tokyo, Japan.

Al Andrews '67, MS '71, has been named chairman of the Department of Industrial Arts Education and Technology at Northwest Missouri State University, Maryville. During the 1984-85 academic year, he was a visiting professor at Arizona State University, Tempe, on leave from Rock Valley College, Rockford, Ill. He is nearing completion of his doctorate degree from the University of Missouri-Columbia.

Richard G. Higgerson '67 has been named University legal counsel at SIU. He joined the University in 1971 as coordinator of student discipline after receiving his law degree from the University of Illinois. His wife, Mary Lou McCauliffe Higgerson, is associate dean of the SIU College of Communications and Fine Arts.



Philip M. Pfeffer '65, MS '66, chairman of the board and chief executive officer of Ingram Distribution Group Inc., Nashville, Tenn., received the annual Benjamin Gomez Award from the Book Publishers Division of the Anti-Defamation League Appeal in ceremonies in New York City on Oct. 29, 1985. The award recognizes "distinguished contributions to the art of book publishing and to our free society." Ingram Distribution Group Inc. contains seven companies with 1,300 employees and is a leading distributor of trade books, audio and video cassettes, and software materials. Pfeffer is a member of the SIU Alumni Association's Board of Directors.

Richard W. Kehlenbach Jr. '67, MS '69, lives in Spring, Tex., with his wife, **Joan Selten Kehlenbach '67**, and children. He is division manager with Guaranty Energy.

Paul D. Blanchard MA '68 has been appointed as legislative liaison for the Office of the Attorney General, State of Illinois. He will coordinate legislative efforts and proposals of the divisions within the office for the 1986 session of the Illinois General Assembly. Blanchard is on one-year sabbatical leave from Eastern Kentucky University, where he is a professor of political science.

Karl Keppler '68, MA '70, is an assistant professor in the Department of Mathematics at Shepherd College, Shepherds-town, W.Va. He is a former member of the mathematics faculty at the University of Central Florida.

Martin W. O'Neill '68 is a CPA and partner in the firm of Fox and Company, Inc., Cincinnati. The firm specializes in governmental accounting and auditing.

Kenneth Starck PhD '68 is director of the School of Journalism and Mass Communication at the University of Iowa.

Glenda E. Vaughn '68, MS '73, teaches English at Owosso (Mich.) High School and was selected by the 1,800-member student body to deliver the keynote speech at its spring commencement.

Robb Summers '69, of Murphysboro, Ill., is vice president of MidAmerica Bank and Trust Co., Carbondale.

1970

Kananur V. Somasekhara MS, PhD '74, is professor of geology at a college associated with Bangalore University. He lives in Jayanagar, Bangalore, India.



Paul L. Stein '66 has been appointed general agent in Detroit by the Northwestern Mutual Life Insurance Co. He joined Northwestern in 1969 as a special agent. He is a Chartered Life Underwriter and a life and qualifying member of the Million Dollar Round Table.

1971

E. Anne Turner Meyers is an account executive with AT&T Information Systems. She and her husband have moved to Scottsdale, Ariz.

Michael Moore is developmental editor and product manager for Victory Games, a division of Monarch-Avalon, Inc., New York City. He has designed military history, role-playing and children's games, as well as the recent board game, "Dr. Ruth's Game of Good Sex."

A. Kyle Perkins MA, professor of linguistics, has been named associate dean of SIU's College of Liberal Arts. He lives in Carterville, Ill.



John P. Clifford '67 has been promoted to director of public relations for A.E. Staley Mfg. Co., Decatur, Ill. He will be responsible for all internal and external communications for the company. Clifford is a member of the board of directors of the SIU Alumni Association.

1972

Joseph K. Arimond is director of media relations for the Chicago Mercantile Exchange.

Gary A. Conrad, MS '83, has been elected to the board of directors of United Scleroderma Foundation Inc., an international medical research and patient support organization. He and his wife, **Diane Wortman Conrad '70, MS '71**, live in Green Springs, Ohio.

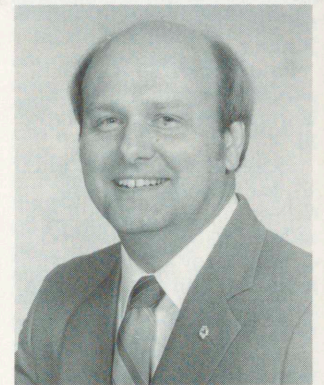
Robert J. Martin has received a juris doctor degree from Western State University College of Law, San Diego, Calif. He is employed with the law firm of Cornish & Cornish in San Diego.

Margaret Nicely O'Shea MS is a staff writer for *The State* in Columbia, S.C. Since joining the newspaper in 1972, she has won the state's Top Print Journalist of the Year Award three times.

William J. Rypkema is chief of police in Western Springs, Ill., a suburb of Chicago. Before being named to this new position, he was a lieutenant with the Carbondale (Ill.) Police Department.

Gene W. Scholes PhD has been promoted to professor of library science at Eastern Illinois University, Charleston, Ill.

Joan Stephens, MA '74, is a manager in the tax department of Peat Marwick's Dallas, Tex., office.



Frank M. Dry '69, MS '70, has been named associate executive secretary of the Illinois FFA and the associate executive director of the Illinois Vocational Agriculture Teachers Association. Before joining the Illinois FFA Center, Dry was a vocational agriculture teacher at Marengo Community High School, Marengo, Ill. His wife, **Shirley Rowland Dry '68**, is the home economics teacher at Roanoke-Benson High School. They live in Roanoke, Ill.

Thomas G. Unger is owner-broker of Buvera Real Estate, Inc., Tucson, Ariz. His wife, **Virginia Lee Elmgren '73**, is a flight instructor at Hotton Aviation Co., Tucson. They are parents of two children.

1973

Marc R. Erickson is an internal consultant for IBM Corporation, working with IBM's largest line of mainframe computers, the 3090 series. He lives in Poughkeepsie, N.Y.

Richard Lorenz was chosen 1985 Alumnus of the Year by the SIU School of Journalism. He has been on the sports copy desk of the *Chicago Tribune* since 1977.

Steven L. Mishler is assistant manager of Bartkus Oil Company in Longmont, Colo.

David G. Tschoff is chief geologist for Clark Resources. He lives in Sapulpa, Okla.



Ann Action '71, MPA '83, of West Frankfort, Ill., has been elected president of the board of directors of Comprehensive Health Planning in Southern Illinois for the 1985-86 year. The agency serves a 30-county area. She is a private consultant who provides services in grantsmanship, planning, management, marketing and staff development to hospitals and other health-related organizations in the Southern Illinois region.

1974

Barbara Butterfield MSED, PhD '85, is director of personnel at Michigan State University. She lives in Williamston, Mich.

Thomas Finan is editor of the *St. Louis Construction Review*, a trade publication.

Marcia Bullard Minzesh-eimer is deputy managing editor of the Life section of *USA Today*. She and her husband, Robert, live in Washington, D.C.

Art Novak is vice president of midwest operations for National Smelting and Refining of Santa Clara, Calif. He lives in Elk Grove, Ill.

1975

David Houseknecht MS is an associate professor in the Department of Geology, University of Missouri-Columbia.

1976

Christopher T. Bluhm MS is involved in an offshore California development project for Chevron USA. He lives in Oakland, Calif.

Kenneth R. Krivanek MS is manager of the environmental sciences section of the Westinghouse Idaho Nuclear Co. He lives in Idaho Falls, Idaho.

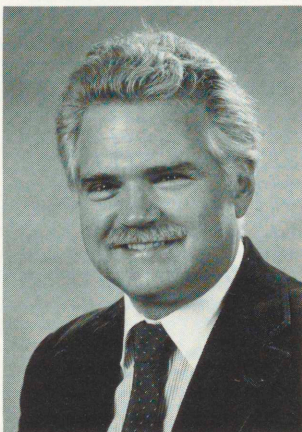
Surya N. Lingamallu MS is the district geologist at Lake Minerals Management Service, U.S. Department of the Interior, in Charles, La.

Deborah Biss Schmitt is a health physicist, and her husband, **Glenn E. Schmitt '77**, is an environmental officer. Both work for the Puget Sound Naval Shipyard. They live in Port Orchard, Wash.

Lenore S. Sobota, JD '81, has been promoted to chief editorial writer and editor of the opinion pages at *The Pantagraph*, a 53,000-circulation daily in Bloomington, Ill.

1977

Susan Anton MFA operates a glass-blowing studio in connection with Levay Gifts in Edwardsville, Ill.



James A. Skogseth '70 is vice president/marketing and sales for Boston Envelope Company, Inc., Mansfield, Mass. The firm is the largest independent envelope manufacturer in New England. Skogseth joined the company in 1982 after serving for 13 years with Boise Cascade as plant manager. He lives in Walpole, Mass.

Daniel Herzog MS, Newark, N.J., is habilitation plan coordinator for the New Jersey Division of Developmental Disabilities. The Association for the Advancement of the Mentally Handicapped has given him an award for outstanding service.

Steven E. Larson received an MS degree in mechanical engineering from the University of Illinois at Chicago. He and his wife, Melissa, live with their basset hound in Itasca, Ill.

Kyung-Ja Lee PhD is professor and chairwoman of the Department of Mass Communication, Kyung-hee University, Seoul. She is the first woman to head a mass communication department in Korea.

Armeda Reitzel MA, PhD '79, has been promoted to associate professor of speech communication at Humboldt State University, Arcata, Calif.

Gene W. Scholes PhD has been promoted to professor of library science at Eastern Illinois University, Charleston, Ill.

William S. Winter Jr. and his wife, **Susan M. Winter** MA, have moved to Palo Alto, Calif., from a four-year stay in England. They both work for the Ford Aerospace and Communications Corp., he in finance and she as a systems engineer.

1978

Michael J. Coakley MSED is director of housing at Wright State University, Dayton, Ohio. Before joining Wright State, he was assistant director of residence hall life at Western Michigan University. He lives in Kettering, Ohio.

Phil H. Dickason has been transferred to Naval Personnel Command in Washington, D.C. He was previously the officer in charge of OLF, Imperial Beach, Calif. He lives in Arlington, Va.

Wanda E. Hendricks MS has been appointed director of housing at North Carolina A & T University, Greensboro, N.C.

Michael W. McClure is a partner in the Schroeder-McClure Funeral Chapel and Home Furnishings Co., Chester, Ill. He led the spring 1985 campaign to reinter the remains of Elias Kent Kane, the first Secretary of State of Illinois, a project for which McClure received commendations from Illinois Governor James Thompson and President Ronald Reagan.

Steven Pounds is an editor for the *Palm Beach Post*. His wife, **Marcia Heroux Pounds '79**, is a business writer for the *Fort Lauderdale News/Sun-Sentinel*. The couple live in Lake Worth, Fla.



James E. Seitz PhD '71 has been named president of Watertown College, Louisville, Ky. Since 1973, he had been president of Edison State Community College in Ohio.

1979

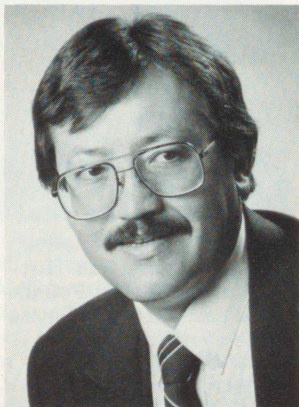
David L. Boyer MS works for ARCO Alaska, Inc., and has a home in the Chugach Mountains with a view of Mt. McKinley. He lives in Chugiak, Alaska.

Marc Deshowitz MS works for Shell Oil and lives in New Orleans, La.

Norbert W. Dunkel MSED is assistant director of housing at South Dakota State University. He and his wife, Kim, live in Brookings, S.D.

Stan H. Podolski, Ft. Collins, Colo., is resident auditor at a new Anheuser-Busch brewery under construction in Ft. Collins.

Thimios Zaharopoulos, MA '81, PhD '85, is an assistant professor of communication at Pittsburg State University, Pittsburg, Kans.



Edward Kaizer '73 is product manager for Lincoln Division of McNeil Corporation, St. Louis. He is responsible for marketing of automotive lubrication products produced by the division for international markets. In 1984, he earned an MBA from SIU-Edwardsville. He lives in Godfrey, Ill., with his wife and three children.

1980

Steven A. Baldock has been promoted to captain in the United States Air Force. He is a navigator at Grand Forks Air Force Base, N.D.

Charles B. Beck is assistant product manager, cardiovasculars, for Stuart Pharmaceuticals, Wilmington, Del. Most recently he was a district sales manager in Kansas City, Mo.

Michael Dozier, a technical sergeant in the United States Air Force, has been reassigned to Incirlik Air Base, Adana, Turkey. He has received an MS degree from Florida State University.

Gene Gross is the Illinois State attorney for Perry County. He received his law degree from Washington University, St. Louis, in 1983. He lives in Du Quoin, Ill.

Stephen M. Parks is senior manager in the tax department of Peat Marwick's Dallas, Tex., office.

1981

Theodore M. Diugosz, a master sergeant in the United States Air Force, is a bombing and navigation systems technician with the 416th Bombardment Wing at Griffiss Air Force Base, N.Y.

Jean Weekly is an administrative assistant at the Los Angeles branch office of SEI Information Technology, a computer consulting firm based in Chicago. She lives in Van Nuys, Calif.

1983

Margaret R. Burchfield MS is a petroleum geologist at the Oklahoma Geological Survey, studying tar sands and Oklahoma oil and gas fields. She lives in Norman, Okla.

Dennis B. O'Connell MS works for the U.S. Geological Survey and lives in San Juan, Puerto Rico.

Patrick Pettit MS is the assistant director for programs at Gengras Student Union, University of Hartford, W. Hartford, Conn. He married Joan Leslie Wright in June 1985.

1985

Jay Small is head of the night desk at the Biloxi-Gulfport, Miss., *Sun* newspaper. He lives in Biloxi.

Alumni Deaths

Emma G. Fulkerson ex'24, Belleville, Ill., Sept. 2, 1985. She was named Illinois Mother of the Year in 1958. Her late husband, Elbert Fulkerson, was an associate professor of mathematics at SIU. She is survived by two daughters and two sons.

Edith Jones '24-2, Golconda, Ill., July 8, 1985. Two children and one stepdaughter survive.

Jessie A. Sanders '30, Sparta, Ill., July 24, 1985. She was a retired teacher.

Golda Harmon Greenwood '35, Dixon, Ill., July 28, 1982. Her husband, **Clem Greenwood '35-2**, is among her survivors.

James W. Stokes '35, Anna, Ill., June 1985.

Robert F. Forbes '36, Edmonton, Alberta, Aug. 12, 1985. He was a retired professor of language at the University of Alberta. Survivors include his wife, Stephanie Forbes.

Clyde E. Henson '38, Lansing, Mich., April 27, 1984. He was a retired professor of English at Michigan State University.

Ralph Higginson ex'38, West Frankfort, Ill., Aug. 11, 1985. He retired in 1978 as manager of the West Frankfort Ice Co. and Refrigeration Center. Among his survivors are his wife, Mary Durst Higginson, and a son, **Richard Higginson, '67**, SIU's legal counsel.

Leroy McBride '39, Cairo, Ill., Sept. 16, 1985. He was a retired schoolteacher. Survivors include his wife, Jenolar.

William W. Sanders '42, MSED '50, Springfield, Ill., July 5, 1985. He retired in 1971 as administrator for the Springfield region in the child welfare department. His wife, Opal, survives.

Arthur W. Gilliam '47, MSED '55, Sesser, Ill., July 20, 1985. He was a retired high school teacher. His wife, Barbara, survives.

George H. Otrich '47, MSED '50, PhD '56, Jonesboro, Ill., Aug. 3, 1985. He retired in 1979 as Superintendent of the Educational Service Region of Union County.

Lela M. Etherton '50, Murphysboro, Ill., July 7, 1985. She was a former school teacher. Four children survive.

John J. McCarty '51, MSED '54, Carbondale, Ill., July 20, 1985. He had retired several months before as executive vice president of Southern Illinois Inc. For 10 years, he was associated with SIU's Department of Management.

Russell I. Peithman '56, MA '61, Los Angeles, Calif., Aug. 13, 1985. He was executive director of the William O. Douglas Outdoor Classroom (see the article, "The Great Outdoorsman," Winter 1984 *Alumnus*) and the son of Irvin Peithmann, historian and archeologist associated with SIU from 1931 to 1973.

Karen Stefani Endecavage '68, Woodridge, Ill.

John Lehman '68, Anna, Ill., Sept. 24, 1985. He had been a teacher at Anna Junior High School. Among his survivors is his wife, Lola.

Joyce Blanchard Baker '70, Lansing, Ill., Feb. 28, 1985. Her husband, Claude B. Baker, and three children survive.

Jerry A. Aler '80, Panet E. Peterson Jr. '80, July 17, 1985.

Catherine M. Thrall '81, May 10, 1985.

Faculty Deaths

Thomas F. Barton, 79, chairman of SIU's geography and geology departments from 1935 to 1947, died on Aug. 26, 1985, in Bloomington, Ind. He was professor emeritus of geography at Indiana University, where he taught from 1947 until his retirement in 1976. Mr. Barton was the author of 10 textbooks on geography and three children's books. He received distinguished service awards from two universities and several national associations. Survivors include his wife, Erselia.

Amos Hale Black, 82, former assistant dean of general studies and professor of mathematics, died on Aug. 8, 1985, in Carbondale. Mr. Black joined the SIU faculty in 1948 as an associate professor of mathematics. He was named academic advisor for the College of Liberal Arts and Sciences in 1952. He retired in 1970. He is survived by his wife, Roselyn.

John F.H. Lonergan, 72, former chairman of the Design Department, died on Sept. 10, 1985. Mr. Lonergan came to SIU in 1950 and retired in 1976. A landscape architect, he received a bachelor's degree in urban planning and landscape architecture from the University of Illinois in 1939. He is survived by two sons and a daughter.

Che Su, 53, Distinguished Professor of pharmacology at the SIU School of Medicine-Springfield, died on Aug. 2, 1985, in Japan, where he was on sabbatical leave at the University of Kyoto. Mr. Su was named by SIU President Albert Somit as a Distinguished Professor in April 1985 in recognition of his renewed research on the role of the nervous system in controlling cardiovascular function. He joined the SIU faculty in 1978 from the University of California, Los Angeles (UCLA). Mr. Su is survived by his wife, Mary, of Springfield, Ill.

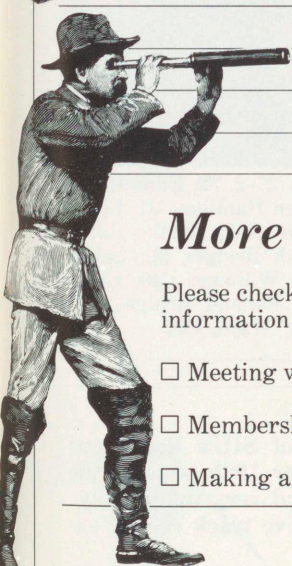
Alice Kelsey Wright, 87, retired professor of mathematics at SIU and a matron in Anthony Hall in the 1920s, died on Aug. 18, 1985, in Murphysboro, Ill. She taught at SIU from 1925 to 1958. In July 1985, Mrs. Wright donated \$15,000 to help fund the Alice Wright Day Care Center in Carbondale.

Alumnus RSVP



Something's Changed

Use this space to tell us about changes in your address, career, family life, personal interests, etc.



More Information

Please check the appropriate box if you want more information on the following:

- ☐ Meeting with other SIU alumni in my area
- ☐ Membership benefits of the SIU Alumni Association
- ☐ Making a donation to SIU

☐ Participating in the Annual Spring Telefund

☐ Joining the SIU Advocates program

☐ SIU-related merchandise

☐ Other information: _____

Become a Life Member

If you're currently renewing your membership annually, consider investing a few dollars more for a permanent expression of your loyalty and support—a life membership in the SIU Alumni Association.

Individual Life Membership

- _____ \$250, life membership, single payment
- _____ \$300, life membership, five payments of \$60/year

Family Life Membership

- _____ \$300, life membership, single payment
- _____ \$350, life membership, five payments of \$70/year

Senior Citizen Life Membership (55 years and older)

- _____ \$100, individual life membership
- _____ \$150, family life membership

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\$ _____ Total enclosed (check payable to the SIU Alumni Association)

Or use one of the following credit cards:

Mastercard # _____ Exp. Date _____
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 Your signature _____

Name _____

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City _____ State _____ Zip _____

Mail this entire form with payment to:
 SIU Alumni Association
 Southern Illinois University
 Carbondale, IL 62901



Alumnus Behind the Scenes

"Chapter News" debuts for officers

In November, a new monthly newsletter called "Chapter News" rolled off the photocopy machine and into the mail to all SIU Alumni Association chapter presidents for distribution to other chapter officers. Eventually, we'd like the mailing list to include all alumni who are active in their area chapters.

"Chapter News" will help set up communication among chapters and between chapters and the national Association office. We plan to include such topics as setting up well-attended meetings, finding speakers/topics, planning activi-

ties, increasing publicity for the chapter, locating volunteers, publishing a chapter newsletter, and helping recruit students. And we'll present those topics with actual examples from the chapters themselves ("success stories").

We'll also publish names, addresses and phone numbers of chapter officers, to increase networking among chapters; announcements of newly organized chapters; plans and goals of the Association; major news of the campus; special activities; a list of chapter meeting dates; and other information that will help draw chapters together.

Finally, "Chapter News" will pay tribute to special activities of the chapters and the people who organized the events.

If you're an active member of an Association chapter and would like to get on the mail list for "Chapter News," send your name and address to Ed Buerger, SIU Alumni Association, Student Center, Carbondale, IL 62901.

A Double Reunion

When the Carbondale Community High School Class of 1925 held its 60th anniversary reunion on Oct. 16, 1985, it turned out that many of the CCHS alumni or their spouses

had later attended SIU—then known as Southern Illinois Normal University.

Ben Gelman, contributing editor of the *Alumnus*, was on hand to take pictures, two of which we show here.



SIU's first Homecoming Queen, chosen in 1926, was Edna Hamilton Bridges '26-2, shown with her husband Rolland x'26.



Seated, from left: Elizabeth Krysher Dickson '27-2, '32; Edna Hamilton Bridges '26-2; Bessie Rushing x'28; Helen Hamilton '31; Lucille Taylor Sorgen x'32; Arlyne Harriss Loudon '31-2; Martha Bilderback Carr x'27. Standing, from left: Frank Bridges '29; LaDaw Wainscott Bridges '31, MSEd '55; Charles Williams x'40; Ernest Sorgen x'29; Francis (Hank) Loudon '32; Rolland Bridges x'26; Ralph McMinn '29, MA '35; and Hubert "Coy" Ward, x'27.

Alumnus Communiqués

A Network of Professionals

CORAL SPRINGS, FLA.—For those of us who endured the old barracks and then watched the Broadcasting Department evolve into the magnificent facilities in the Communications Building, your article brought back many fond memories.

The years that I spent at WSIU under Buren Robbins, John Kurtz, Ray (Colonel Moe) Mofield and Richard (Doc) Uray were unbelievable. Because we worked closely with the faculty, other than in the classroom, we were privileged to know them outside of the world of academe. This type of relationship—oftentimes one-on-one—that allowed us to have more than just textbook learning is an experience we will never forget.

Thank you, SIU Broadcasting Department, for everything in the past and for everything in the future.

Lawrence A. Rodkin '66

DARIEN, CONN.—Your article about SIU's Radio and Television Department in the Summer 1985 issue of the *Alumnus* was quite comprehensive and very informative. The R-T Department has an impressive track record exclusive of my own good fortune.

I am pleased with your treatment of my interview and especially happy that you included the sentence, "Some time ago, I decided it was time for me to give something back to the University." Randy Welker (acting department chairman) and I have already exchanged correspondence about my 1986 lectures.

Subsequent to our interview, Marty Pompadur and I have announced the signing of an agreement to purchase WDHO-TV, Toledo, Ohio, for \$19.3 million. WDHO-TV will be our sixth TV station, and it brings our cumulative acquisitions to \$96.5 million.

Ralph E. Becker '55

Becker was one of three 1985 winners of the SIU Alumni Association's Alumni Achievement Award.

Letters addressed to the editors of the *Alumnus* will be considered for publication in future issues. We reserve the right to edit and abridge letters depending on space requirements. Send correspondence to: Editors, *Alumnus*, University Relations, 1008 S. Elizabeth, Carbondale, IL 62901.

SIU *Alumni* TOURS

Spring 1986

Pack your bags and join us!

LAS VEGAS

March 9, 1986, departure.

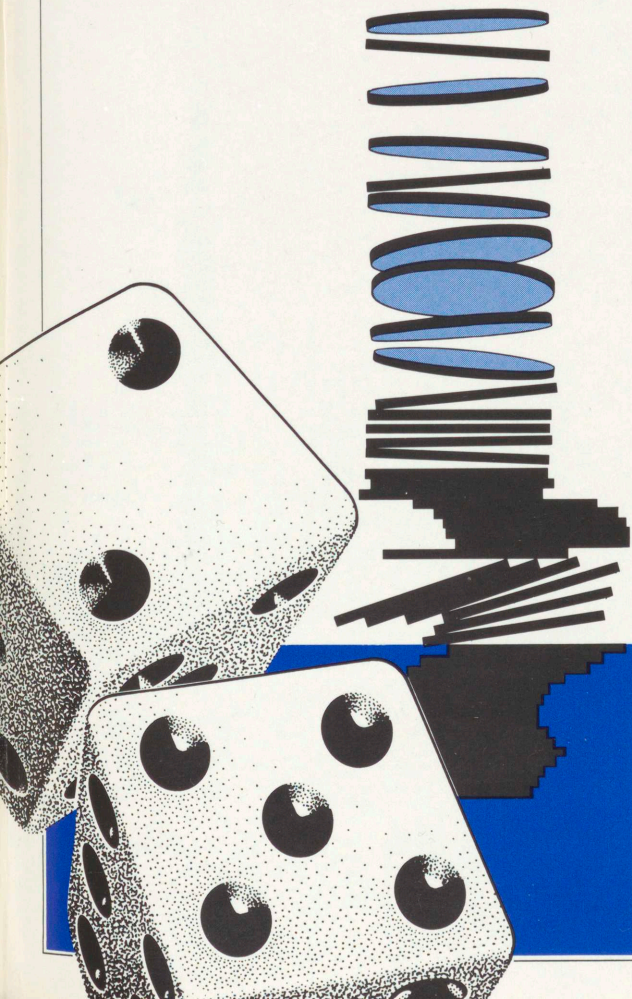
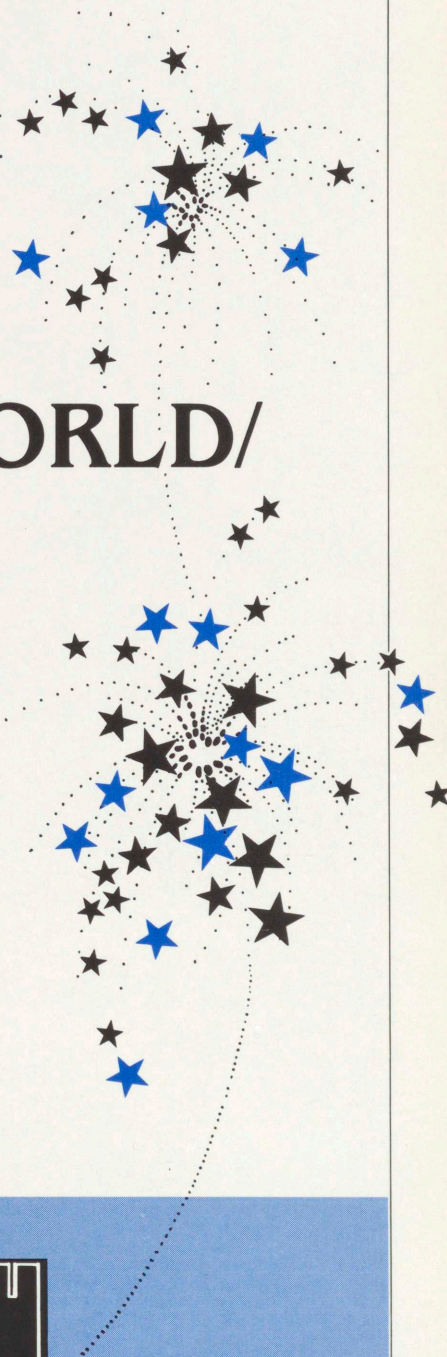
Four days and three nights from \$259* per person, double occupancy. Includes airfare from St. Louis, accommodations at the Riviera Hotel and all transfers.


We're offering two more trips this season. For more details, call the Vacation Desk at 1-800-642-0724 (in Illinois) or 1-800-851-7505 (other states). In Carbondale, call 549-7347.

DISNEYWORLD/ EPCOT

March 8, 1986, departure.

Five days and four nights from \$489* per person, double occupancy. Includes round trip airfare from St. Louis, accommodations at the Lake Buena Vista Hotel complex, three-day world passport passport to Disneyworld's Magic Kingdom and Epcot. Transfers and special activities.



SIU  Alumni
Association

*Prices subject to airfare



C R I S P A N D C L E A R

Campus Lake in winter often is a chilly scene, but activities do continue: people skate and hike, birds and rabbits forage, and in Thompson Point dorms, across the ice, students stay warm studying for December finals. In any season, Campus Lake is enticing. But some find that, in winter, the lake offers its most alluring and mysterious images.